FIG. 1a

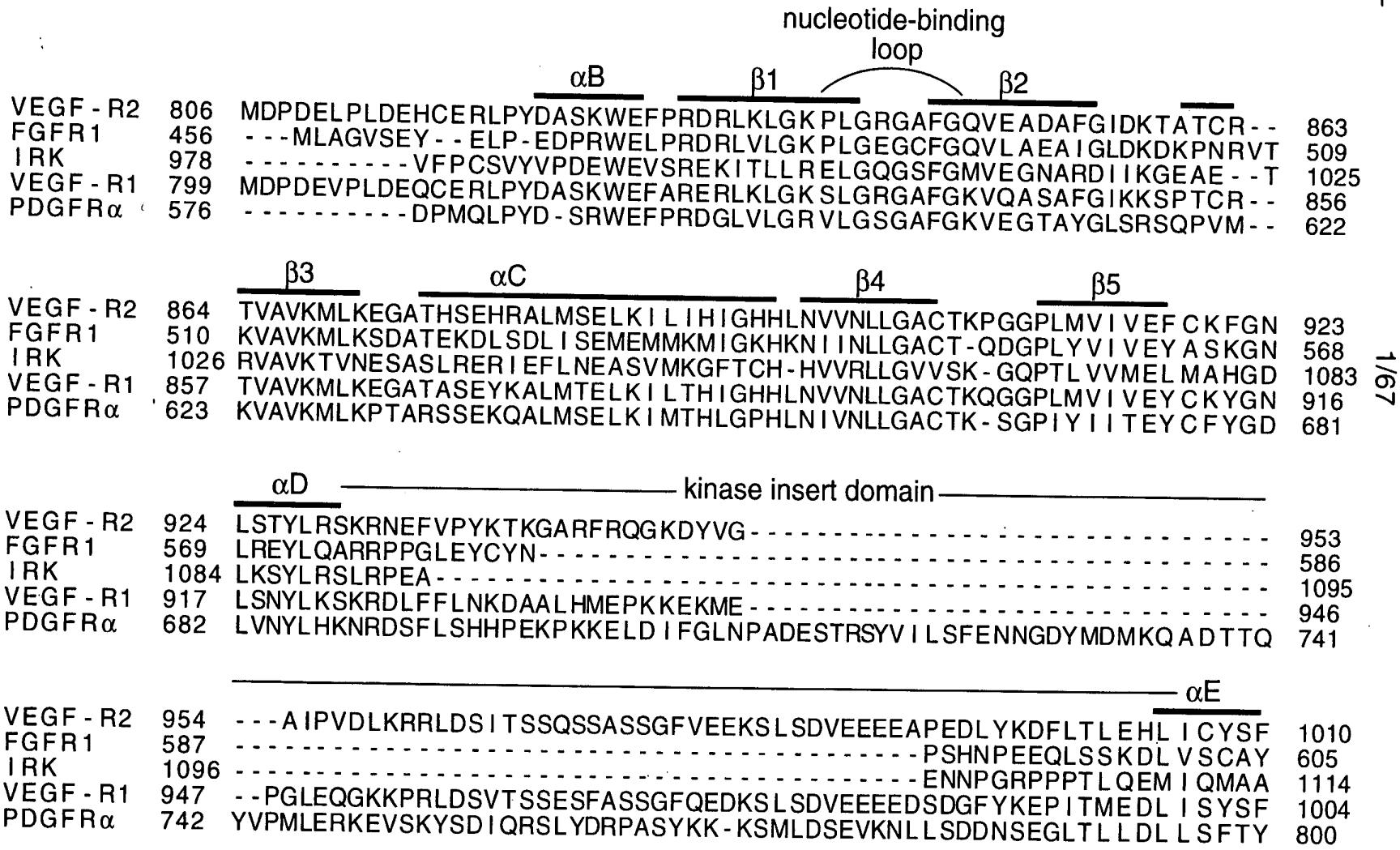


FIG. 1b

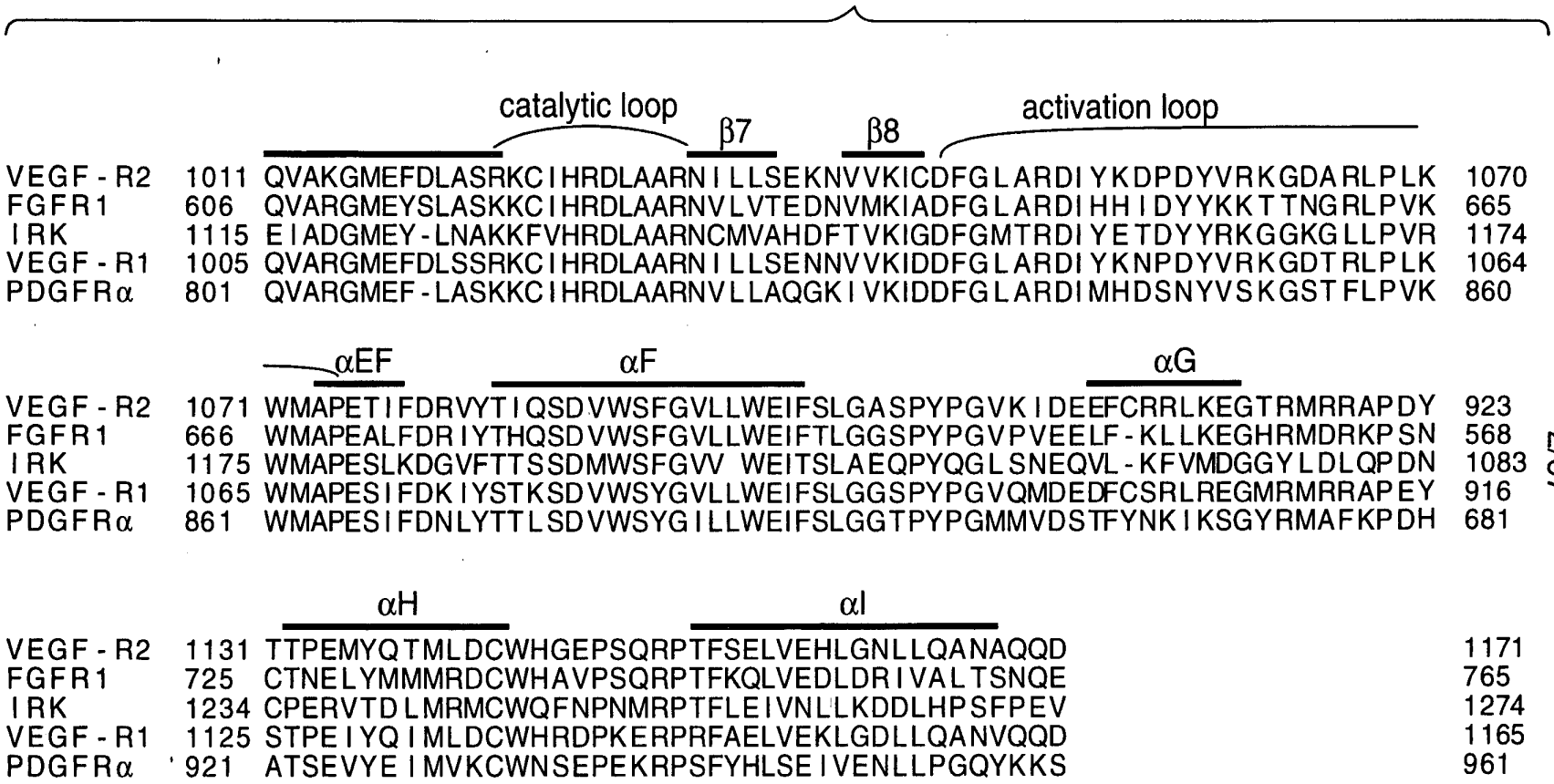
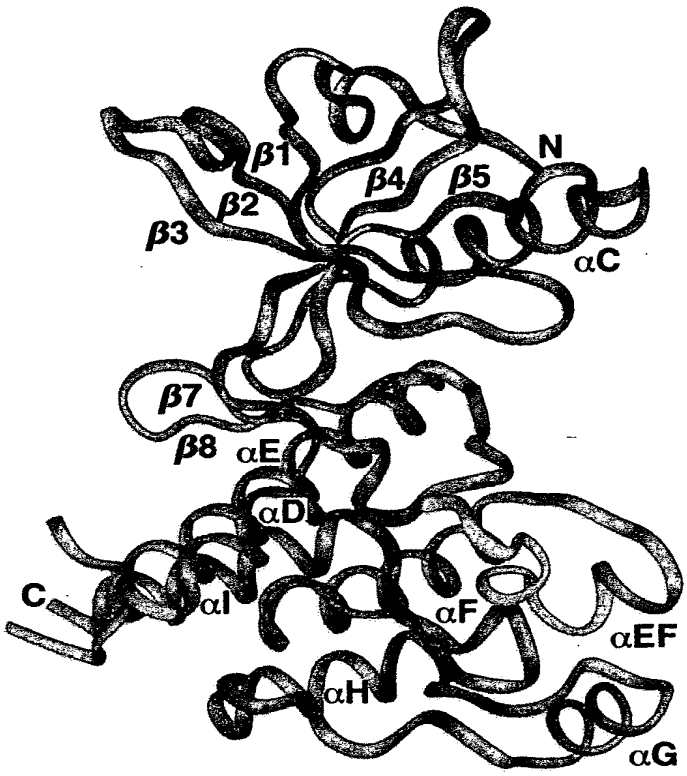
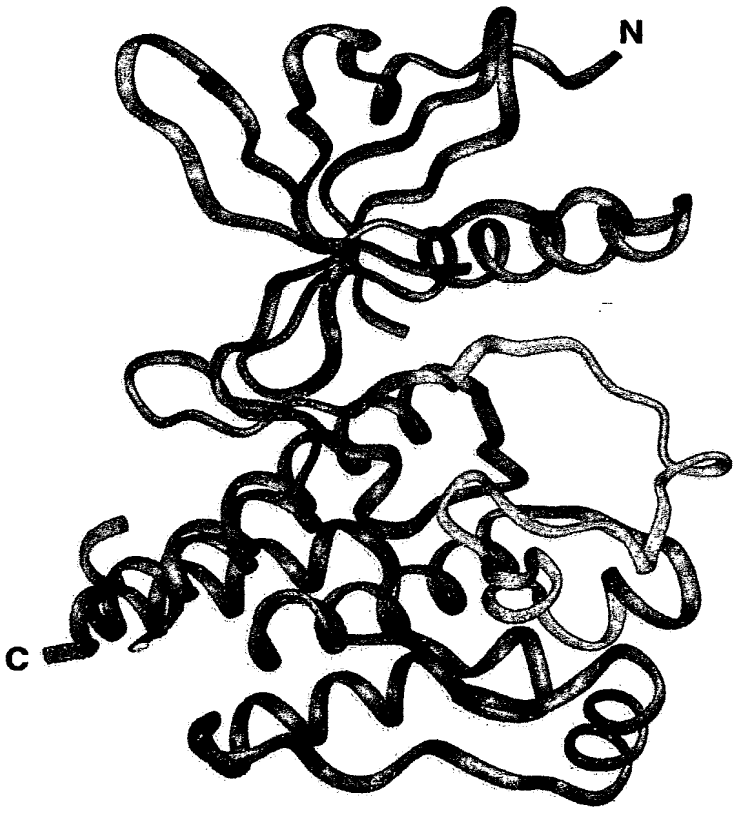


FIG. 2a



VEGFR2D50P

FIG. 2b



FGFR1

FIG. 2c

IRKP

FIG. 3a

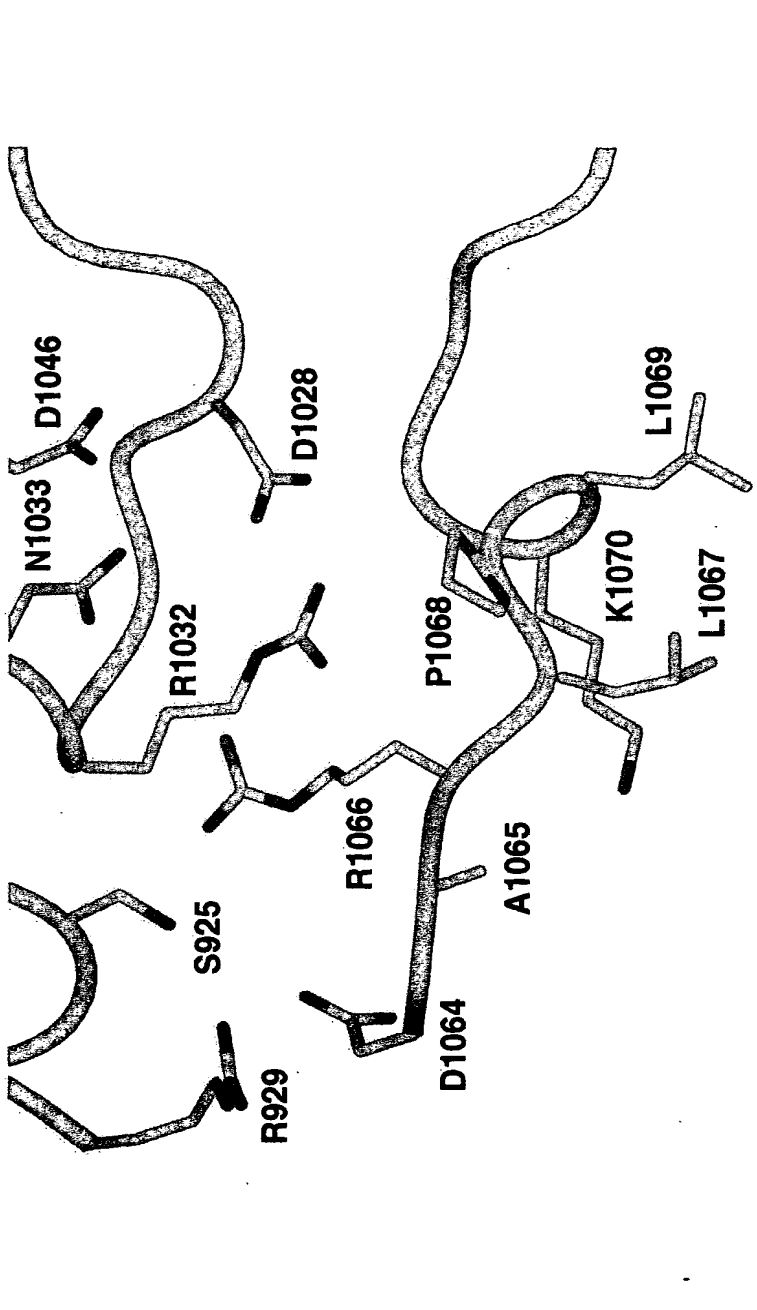

D1046
N1033
D1028
R1032
P1068
L1069
K1070
L1067
R1066
A1065
S925
D1064
R929

FIG. 3b

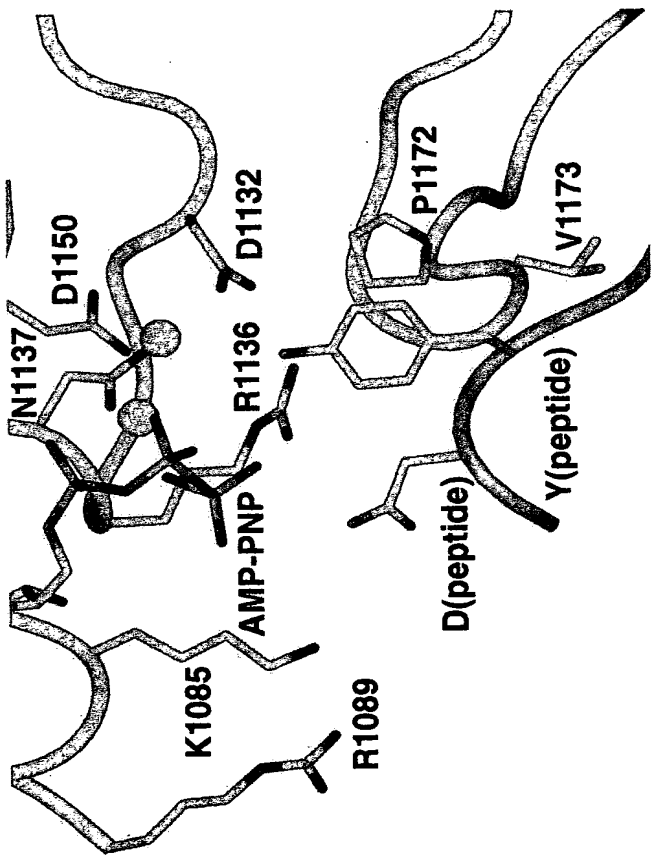


FIG. 4

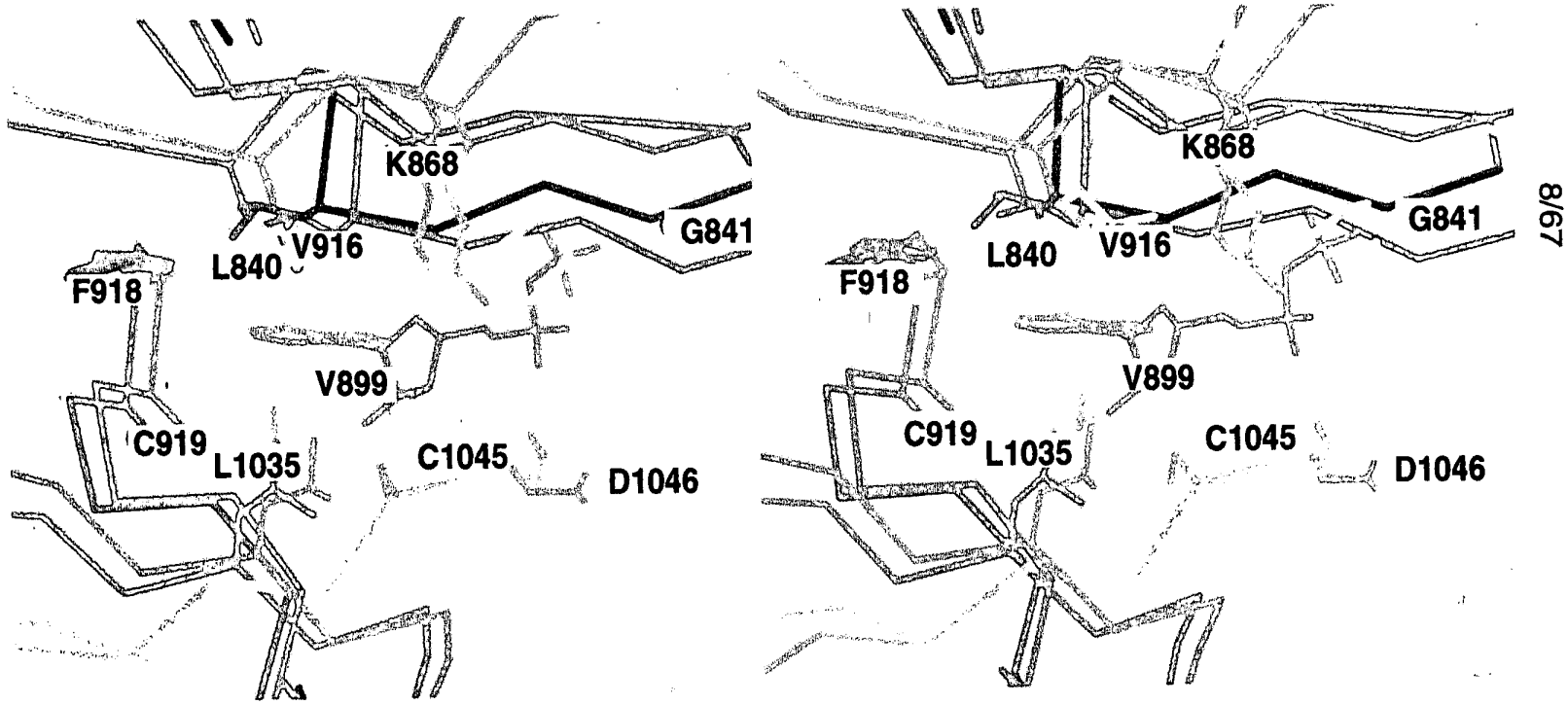

K868
G841
L840
V916
F918
V899
C919
L1035
C1045
D1046
K868
G841
L840
V916
F918
V899
C919
L1035
C1045
D1046

FIG. 5

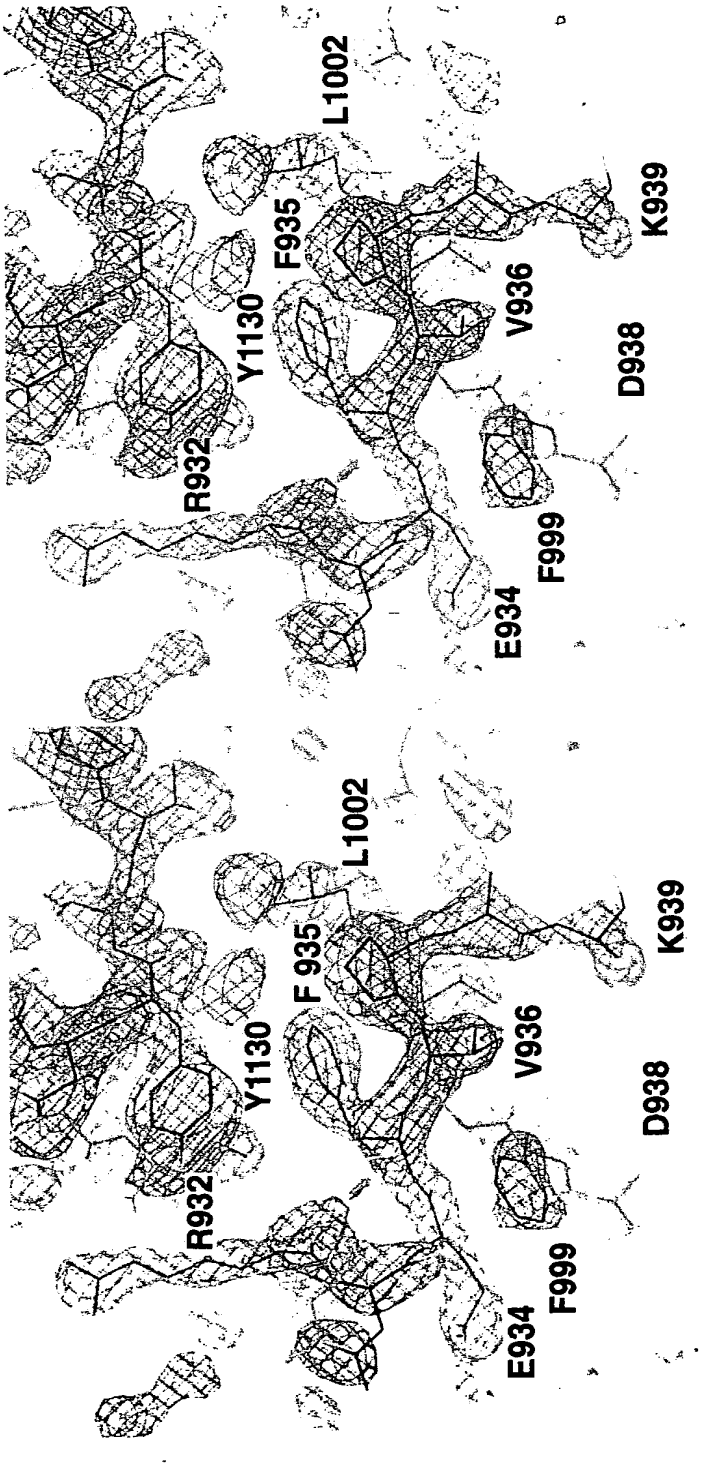


FIG. 6

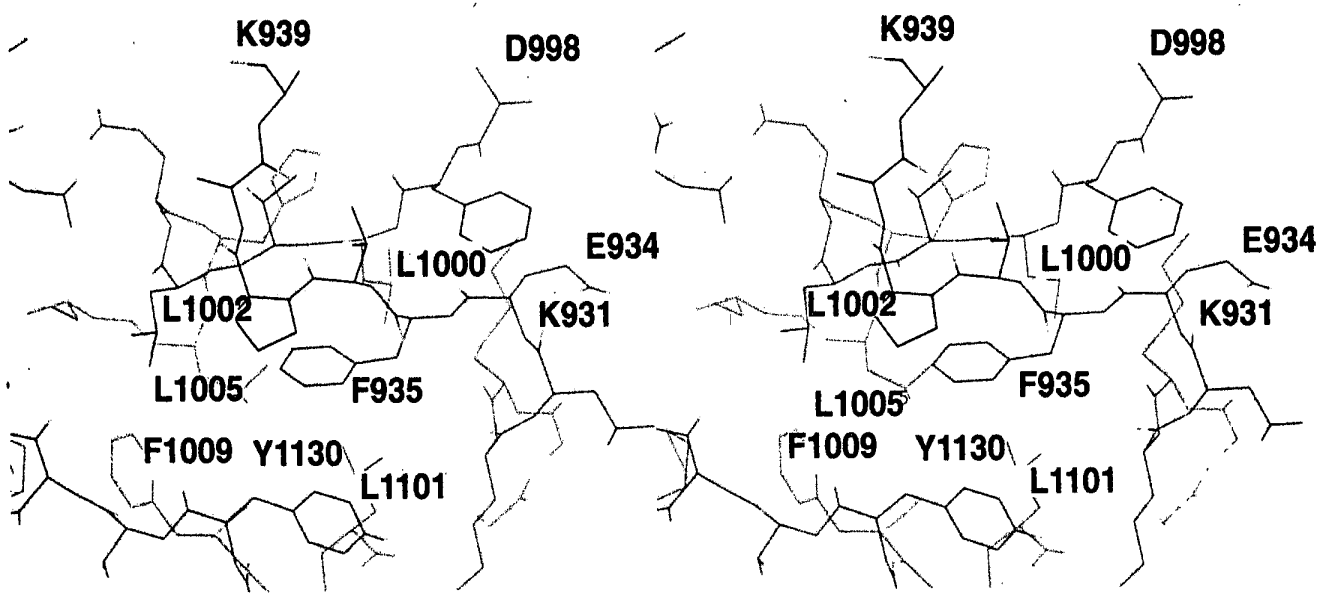

K939
D998
E934
L1000
L1002
K931
L1005
F935
F1009
Y1130
L1101
K939
D998
E934
L1000
L1002
K931
L1005
F935
F1009
Y1130
L1101

FIG. 7(1)

ATOM	1	CB	LEU	820	49.908	45.905	17.938	1.00	48.95
ATOM	2	CG	LEU	820	50.568	45.069	16.833	1.00	43.57
ATOM	3	CD1	LEU	820	50.004	45.358	15.456	1.00	43.59
ATOM	4	CD2	LEU	820	52.066	45.345	16.886	1.00	47.45
ATOM	5	C	LEU	820	49.216	48.321	17.530	1.00	48.14
ATOM	6	O	LEU	820	48.196	48.587	18.187	1.00	52.58
ATOM	9	N	LEU	820	50.481	47.725	19.581	1.00	53.68
ATOM	11	CA	LEU	820	50.302	47.387	18.117	1.00	50.63
ATOM	12	N	PRO	821	49.435	48.842	16.306	1.00	41.32
ATOM	13	CD	PRO	821	50.680	48.870	15.520	1.00	45.54
ATOM	14	CA	PRO	821	48.465	49.733	15.700	1.00	31.06
ATOM	15	CB	PRO	821	49.067	49.985	14.352	1.00	28.89
ATOM	16	CG	PRO	821	50.509	50.148	14.734	1.00	43.44
ATOM	17	C	PRO	821	47.123	49.165	15.569	1.00	26.14
ATOM	18	O	PRO	821	46.948	47.970	15.374	1.00	26.03
ATOM	19	N	TYR	822	46.154	50.024	15.776	1.00	16.25
ATOM	21	CA	TYR	822	44.799	49.643	15.582	1.00	18.88
ATOM	22	CB	TYR	822	44.061	49.519	16.916	1.00	17.42
ATOM	23	CG	TYR	822	42.584	49.316	16.728	1.00	18.46
ATOM	24	CD1	TYR	822	41.674	50.341	17.047	1.00	21.12
ATOM	25	CE1	TYR	822	40.314	50.206	16.812	1.00	13.80
ATOM	26	CD2	TYR	822	42.086	48.144	16.175	1.00	12.24
ATOM	27	CE2	TYR	822	40.714	47.997	15.951	1.00	13.44
ATOM	28	CZ	TYR	822	39.838	49.028	16.268	1.00	14.38
ATOM	29	OH	TYR	822	38.480	48.887	16.073	1.00	19.73
ATOM	31	C	TYR	822	44.253	50.760	14.705	1.00	16.93
ATOM	32	O	TYR	822	44.172	51.904	15.112	1.00	20.70
ATOM	33	N	ASP	823	44.054	50.456	13.439	1.00	15.20
ATOM	35	CA	ASP	823	43.509	51.418	12.506	1.00	13.55
ATOM	36	CB	ASP	823	43.856	50.945	11.091	1.00	11.37
ATOM	37	CG	ASP	823	43.456	51.933	10.016	1.00	16.45
ATOM	38	OD1	ASP	823	42.546	52.754	10.258	1.00	21.86
ATOM	39	OD2	ASP	823	44.022	51.854	8.904	1.00	12.33
ATOM	40	C	ASP	823	41.983	51.489	12.738	1.00	14.14
ATOM	41	O	ASP	823	41.224	50.722	12.172	1.00	19.73
ATOM	42	N	ALA	824	41.539	52.415	13.572	1.00	11.88
ATOM	44	CA	ALA	824	40.126	52.554	13.876	1.00	14.80
ATOM	45	CB	ALA	824	39.928	53.610	14.973	1.00	12.02
ATOM	46	C	ALA	824	39.259	52.893	12.658	1.00	19.09
ATOM	47	O	ALA	824	38.062	52.610	12.641	1.00	23.54

FIG. 7(2)

ATOM	48	N	SER	825	39.857	53.496	11.635	1.00	18.25
ATOM	50	CA	SER	825	39.118	53.867	10.450	1.00	12.65
ATOM	51	CB	SER	825	40.023	54.678	9.543	1.00	11.88
ATOM	52	OG	SER	825	39.315	55.003	8.370	1.00	20.94
ATOM	54	C	SER	825	38.669	52.594	9.746	1.00	12.30
ATOM	55	O	SER	825	37.543	52.461	9.317	1.00	14.94
ATOM	56	N	LYS	826	39.557	51.633	9.642	1.00	14.98
ATOM	58	CA	LYS	826	39.188	50.396	8.988	1.00	22.45
ATOM	59	CB	LYS	826	40.445	49.660	8.483	1.00	16.46
ATOM	60	CG	LYS	826	40.091	48.370	7.820	1.00	23.00
ATOM	61	CD	LYS	826	40.962	48.071	6.657	1.00	26.19
ATOM	62	CE	LYS	826	42.391	48.041	7.092	1.00	35.70
ATOM	63	NZ	LYS	826	43.272	48.003	5.891	1.00	40.17
ATOM	67	C	LYS	826	38.324	49.437	9.839	1.00	21.47
ATOM	68	O	LYS	826	37.363	48.850	9.336	1.00	22.56
ATOM	69	N	TRP	827	38.589	49.376	11.144	1.00	20.96
ATOM	71	CA	TRP	827	37.917	48.406	11.996	1.00	16.87
ATOM	72	CB	TRP	827	38.974	47.620	12.785	1.00	18.53
ATOM	73	CG	TRP	827	39.942	46.898	11.910	1.00	12.95
ATOM	74	CD2	TRP	827	39.643	45.810	11.029	1.00	9.73
ATOM	75	CE2	TRP	827	40.795	45.562	10.274	1.00	9.36
ATOM	76	CE3	TRP	827	38.505	45.038	10.801	1.00	11.54
ATOM	77	CD1	TRP	827	41.233	47.231	11.684	1.00	12.87
ATOM	78	NE1	TRP	827	41.753	46.440	10.689	1.00	10.49
ATOM	80	CZ2	TRP	827	40.848	44.565	9.299	1.00	12.36
ATOM	81	CZ3	TRP	827	38.556	44.053	9.826	1.00	10.55
ATOM	82	CH2	TRP	827	39.718	43.830	9.087	1.00	11.88
ATOM	83	C	TRP	827	36.830	48.795	12.953	1.00	17.75
ATOM	84	O	TRP	827	35.985	47.951	13.271	1.00	15.08
ATOM	85	N	GLU	828	36.855	50.043	13.416	1.00	16.92
ATOM	87	CA	GLU	828	35.908	50.518	14.413	1.00	19.52
ATOM	88	CB	GLU	828	36.289	51.920	14.885	1.00	17.10
ATOM	89	CG	GLU	828	35.581	52.363	16.148	1.00	12.70
ATOM	90	CD	GLU	828	36.106	51.707	17.400	1.00	21.57
ATOM	91	OE1	GLU	828	37.219	51.118	17.386	1.00	21.15
ATOM	92	OE2	GLU	828	35.402	51.819	18.426	1.00	22.43
ATOM	93	C	GLU	828	34.494	50.510	13.910	1.00	20.94
ATOM	94	O	GLU	828	34.245	51.024	12.818	1.00	26.92
ATOM	95	N	PHE	829	33.569	49.990	14.734	1.00	21.12
ATOM	97	CA	PHE	829	32.138	49.880	14.391	1.00	17.93
ATOM	98	CB	PHE	829	31.791	48.400	14.160	1.00	16.42
ATOM	99	CG	PHE	829	30.384	48.164	13.669	1.00	20.17

FIG. 7(3)

```
ATOM   100  CD1 PHE  829      30.020  48.484  12.363  1.00 21.31
ATOM   101  CD2 PHE  829      29.415  47.612  14.516  1.00 23.04
ATOM   102  CE1 PHE  829      28.712  48.254  11.921  1.00 18.76
ATOM   103  CE2 PHE  829      28.093  47.375  14.071  1.00 15.20
ATOM   104  CZ  PHE  829      27.750  47.692  12.792  1.00 17.17
ATOM   105  C   PHE  829      31.310  50.495  15.533  1.00 14.65
ATOM   106  O   PHE  829      31.574  50.211  16.686  1.00 16.15
ATOM   107  N   PRO  830      30.270  51.298  15.224  1.00 13.29
ATOM   108  CD  PRO  830      29.707  51.633  13.901  1.00 11.63
ATOM   109  CA  PRO  830      29.481  51.918  16.292  1.00 14.76
ATOM   110  CB  PRO  830      28.636  52.948  15.565  1.00 13.82
ATOM   111  CG  PRO  830      28.414  52.364  14.252  1.00 14.42
ATOM   112  C   PRO  830      28.629  51.005  17.098  1.00 19.79
ATOM   113  O   PRO  830      27.750  50.339  16.562  1.00 26.60
ATOM   114  N   ARG  831      28.830  51.060  18.410  1.00 18.39
ATOM   116  CA  ARG  831      28.085  50.246  19.335  1.00 14.56
ATOM   117  CB  ARG  831      28.469  50.580  20.743  1.00 11.53
ATOM   118  CG  ARG  831      29.808  50.050  21.092  1.00 12.65
ATOM   119  CD  ARG  831      30.117  50.265  22.554  1.00 12.46
ATOM   120  NE  ARG  831      31.261  51.148  22.584  1.00 20.55
ATOM   122  CZ  ARG  831      32.469  50.756  22.885  1.00 12.04
ATOM   123  NH1 ARG  831      32.688  49.518  23.234  1.00 23.80
ATOM   126  NH2 ARG  831      33.467  51.501  22.526  1.00 23.84
ATOM   129  C   ARG  831      26.625  50.415  19.174  1.00 18.55
ATOM   130  O   ARG  831      25.852  49.561  19.607  1.00 25.61
ATOM   131  N   ASP  832      26.221  51.517  18.552  1.00 25.32
ATOM   133  CA  ASP  832      24.794  51.734  18.354  1.00 29.47
ATOM   134  CB  ASP  832      24.393  53.230  18.408  1.00 34.15
ATOM   135  CG  ASP  832      24.817  54.036  17.174  1.00 33.50
ATOM   136  OD1 ASP  832      25.519  53.528  16.280  1.00 34.09
ATOM   137  OD2 ASP  832      24.422  55.216  17.110  1.00 41.48
ATOM   138  C   ASP  832      24.230  51.000  17.139  1.00 27.13
ATOM   139  O   ASP  832      23.023  50.905  16.991  1.00 28.08
ATOM   140  N   ARG  833      25.104  50.466  16.290  1.00 24.18
ATOM   142  CA  ARG  833      24.684  49.695  15.134  1.00 19.93
ATOM   143  CB  ARG  833      25.661  49.902  14.011  1.00 25.94
ATOM   144  CG  ARG  833      25.313  51.073  13.158  1.00 38.97
ATOM   145  CD  ARG  833      25.929  50.901  11.766  1.00 53.19
ATOM   146  NE  ARG  833      25.525  51.930  10.807  1.00 63.47
ATOM   148  CZ  ARG  833      25.419  53.229  11.087  1.00 70.42
ATOM   149  NH1 ARG  833      25.040  54.080  10.139  1.00 74.08
ATOM   152  NH2 ARG  833      25.695  53.690  12.306  1.00 72.08
ATOM   155  C   ARG  833      24.656  48.218  15.498  1.00 18.62
```

FIG. 7(4)

```
ATOM   156  O   ARG   833      24.289  47.370  14.690  1.00 18.27
ATOM   157  N   LEU   834      25.013  47.943  16.747  1.00 18.35
ATOM   159  CA  LEU   834      25.089  46.600  17.329  1.00 22.59
ATOM   160  CB  LEU   834      26.488  46.398  17.946  1.00 25.91
ATOM   161  CG  LEU   834      27.073  45.003  18.139  1.00 24.64
ATOM   162  CD1 LEU   834      27.185  44.327  16.805  1.00 21.77
ATOM   163  CD2 LEU   834      28.428  45.085  18.785  1.00 17.43
ATOM   164  C   LEU   834      23.988  46.326  18.387  1.00 24.77
ATOM   165  O   LEU   834      23.886  46.973  19.433  1.00 24.03
ATOM   166  N   LYS   835      23.173  45.335  18.087  1.00 28.94
ATOM   168  CA  LYS   835      22.072  44.942  18.940  1.00 32.84
ATOM   169  CB  LYS   835      20.794  44.913  18.081  1.00 31.34
ATOM   170  CG  LYS   835      19.529  44.697  18.839  1.00 36.63
ATOM   171  CD  LYS   835      18.359  44.407  17.940  1.00 39.31
ATOM   172  CE  LYS   835      17.074  44.414  18.783  1.00 48.99
ATOM   173  NZ  LYS   835      17.074  43.448  19.950  1.00 48.86
ATOM   177  C   LYS   835      22.431  43.532  19.420  1.00 31.79
ATOM   178  O   LYS   835      22.408  42.609  18.616  1.00 34.57
ATOM   179  N   LEU   836      22.854  43.395  20.680  1.00 33.17
ATOM   181  CA  LEU   836      23.229  42.101  21.277  1.00 34.01
ATOM   182  CB  LEU   836      23.970  42.292  22.593  1.00 33.96
ATOM   183  CG  LEU   836      25.400  42.796  22.462  1.00 42.50
ATOM   184  CD1 LEU   836      26.082  42.858  23.854  1.00 41.15
ATOM   185  CD2 LEU   836      26.153  41.860  21.501  1.00 40.93
ATOM   186  C   LEU   836      22.053  41.181  21.547  1.00 33.27
ATOM   187  O   LEU   836      21.017  41.631  22.025  1.00 31.15
ATOM   188  N   GLY   837      22.268  39.882  21.330  1.00 36.34
ATOM   190  CA  GLY   837      21.228  38.881  21.536  1.00 34.95
ATOM   191  C   GLY   837      21.603  37.761  22.497  1.00 35.64
ATOM   192  O   GLY   837      22.203  37.980  23.554  1.00 39.23
ATOM   193  N   LYS   838      21.254  36.541  22.126  1.00 35.31
ATOM   195  CA  LYS   838      21.531  35.375  22.962  1.00 37.86
ATOM   196  CB  LYS   838      20.647  34.192  22.539  1.00 41.52
ATOM   197  C   LYS   838      22.991  34.935  22.989  1.00 35.93
ATOM   198  O   LYS   838      23.650  34.851  21.946  1.00 34.37
ATOM   199  N   PRO   839      23.499  34.608  24.187  1.00 33.68
ATOM   200  CD  PRO   839      22.820  34.757  25.486  1.00 34.48
ATOM   201  CA  PRO   839      24.880  34.158  24.363  1.00 37.11
ATOM   202  CB  PRO   839      24.927  33.750  25.833  1.00 37.46
ATOM   203  CG  PRO   839      23.970  34.710  26.472  1.00 37.04
ATOM   204  C   PRO   839      25.148  32.963  23.474  1.00 39.09
ATOM   205  O   PRO   839      24.303  32.085  23.327  1.00 38.13
ATOM   206  N   LEU   840      26.261  33.013  22.767  1.00 43.08
```

FIG. 7(5)

ATOM	208	CA	LEU	840	26.646	31.915	21.917	1.00	47.73
ATOM	209	CB	LEU	840	27.396	32.426	20.692	1.00	41.83
ATOM	210	CG	LEU	840	26.386	32.957	19.697	1.00	39.60
ATOM	211	CD1	LEU	840	27.080	33.697	18.595	1.00	42.69
ATOM	212	CD2	LEU	840	25.582	31.795	19.156	1.00	38.40
ATOM	213	C	LEU	840	27.523	30.987	22.747	1.00	54.84
ATOM	214	O	LEU	840	27.479	29.768	22.577	1.00	59.76
ATOM	215	N	GLY	841	28.248	31.563	23.706	1.00	60.51
ATOM	217	CA	GLY	841	29.140	30.781	24.547	1.00	60.96
ATOM	218	C	GLY	841	29.660	31.544	25.750	1.00	63.95
ATOM	219	O	GLY	841	29.497	32.764	25.857	1.00	64.35
ATOM	220	N	ARG	842	30.279	30.809	26.668	1.00	65.26
ATOM	222	CA	ARG	842	30.823	31.388	27.887	1.00	65.12
ATOM	223	CB	ARG	842	30.027	30.897	29.091	1.00	61.50
ATOM	224	C	ARG	842	32.300	30.995	28.004	1.00	64.23
ATOM	225	O	ARG	842	32.957	30.720	26.986	1.00	68.80
ATOM	226	N	GLY	843	32.822	31.003	29.226	1.00	60.14
ATOM	228	CA	GLY	843	34.206	30.639	29.453	1.00	60.53
ATOM	229	C	GLY	843	34.676	31.165	30.789	1.00	62.56
ATOM	230	O	GLY	843	33.902	31.764	31.535	1.00	61.31
ATOM	231	N	ALA	844	35.925	30.888	31.140	1.00	66.30
ATOM	233	CA	ALA	844	36.450	31.390	32.403	1.00	69.69
ATOM	234	CB	ALA	844	37.655	30.574	32.851	1.00	68.47
ATOM	235	C	ALA	844	36.839	32.855	32.212	1.00	73.15
ATOM	236	O	ALA	844	36.723	33.667	33.144	1.00	75.00
ATOM	237	N	PHE	845	37.251	33.184	30.981	1.00	76.12
ATOM	239	CA	PHE	845	37.699	34.538	30.618	1.00	74.99
ATOM	240	CB	PHE	845	39.135	34.479	30.014	1.00	72.01
ATOM	241	C	PHE	845	36.766	35.353	29.700	1.00	73.81
ATOM	242	O	PHE	845	36.404	36.499	30.020	1.00	76.82
ATOM	243	N	GLY	846	36.368	34.767	28.576	1.00	68.48
ATOM	245	CA	GLY	846	35.527	35.495	27.645	1.00	61.76
ATOM	246	C	GLY	846	34.102	35.023	27.606	1.00	57.98
ATOM	247	O	GLY	846	33.658	34.305	28.491	1.00	59.43
ATOM	248	N	GLN	847	33.400	35.413	26.553	1.00	55.08
ATOM	250	CA	GLN	847	32.006	35.050	26.354	1.00	52.26
ATOM	251	CB	GLN	847	31.160	35.668	27.449	1.00	55.14
ATOM	252	CG	GLN	847	29.706	35.703	27.075	1.00	61.40
ATOM	253	CD	GLN	847	28.951	36.735	27.844	1.00	65.75
ATOM	254	OE1	GLN	847	27.772	36.543	28.150	1.00	69.74
ATOM	255	NE2	GLN	847	29.614	37.852	28.166	1.00	68.83
ATOM	258	C	GLN	847	31.508	35.573	25.001	1.00	47.29
ATOM	259	O	GLN	847	31.637	36.764	24.713	1.00	52.89

FIG. 7(6)

```
ATOM   260  N   VAL  848      30.912  34.707  24.195  1.00 38.17
ATOM   262  CA  VAL  848      30.418  35.122  22.898  1.00 30.28
ATOM   263  CB  VAL  848      30.792  34.137  21.833  1.00 28.01
ATOM   264  CG1 VAL  848      30.542  34.744  20.442  1.00 23.32
ATOM   265  CG2 VAL  848      32.239  33.759  22.016  1.00 22.18
ATOM   266  C   VAL  848      28.920  35.262  22.939  1.00 31.80
ATOM   267  O   VAL  848      28.221  34.525  23.625  1.00 32.87
ATOM   268  N   ILE  849      28.410  36.196  22.166  1.00 29.87
ATOM   270  CA  ILE  849      26.990  36.436  22.159  1.00 25.35
ATOM   271  CB  ILE  849      26.602  37.448  23.328  1.00 31.46
ATOM   272  CG2 ILE  849      27.766  38.373  23.732  1.00 32.09
ATOM   273  CG1 ILE  849      25.353  38.244  23.003  1.00 31.00
ATOM   274  CD1 ILE  849      24.895  39.035  24.199  1.00 37.56
ATOM   275  C   ILE  849      26.493  36.851  20.798  1.00 23.02
ATOM   276  O   ILE  849      27.167  37.540  20.070  1.00 27.56
ATOM   277  N   GLU  850      25.376  36.294  20.390  1.00 25.56
ATOM   279  CA  GLU  850      24.802  36.626  19.107  1.00 26.63
ATOM   280  CB  GLU  850      23.577  35.785  18.894  1.00 27.45
ATOM   281  CG  GLU  850      23.414  35.361  17.487  1.00 34.57
ATOM   282  CD  GLU  850      22.155  34.590  17.293  1.00 34.46
ATOM   283  OE1 GLU  850      21.602  34.655  16.184  1.00 42.38
ATOM   284  OE2 GLU  850      21.710  33.924  18.248  1.00 40.93
ATOM   285  C   GLU  850      24.422  38.111  19.028  1.00 27.83
ATOM   286  O   GLU  850      24.240  38.755  20.047  1.00 25.02
ATOM   287  N   ALA  851      24.291  38.640  17.814  1.00 29.11
ATOM   289  CA  ALA  851      23.958  40.043  17.621  1.00 27.32
ATOM   290  CB  ALA  851      25.080  40.922  18.170  1.00 18.65
ATOM   291  C   ALA  851      23.731  40.387  16.160  1.00 26.61
ATOM   292  O   ALA  851      24.328  39.785  15.283  1.00 26.99
ATOM   293  N   ASP  852      22.836  41.343  15.917  1.00 30.82
ATOM   295  CA  ASP  852      22.538  41.862  14.566  1.00 31.76
ATOM   296  CB  ASP  852      21.050  42.186  14.386  1.00 39.33
ATOM   297  CG  ASP  852      20.222  40.993  13.993  1.00 47.41
ATOM   298  OD1 ASP  852      19.687  40.330  14.906  1.00 54.12
ATOM   299  OD2 ASP  852      20.066  40.754  12.775  1.00 53.02
ATOM   300  C   ASP  852      23.265  43.204  14.506  1.00 25.97
ATOM   301  O   ASP  852      23.096  44.021  15.416  1.00 21.64
ATOM   302  N   ALA  853      24.099  43.411  13.495  1.00 20.18
ATOM   304  CA  ALA  853      24.818  44.672  13.342  1.00 23.55
ATOM   305  CB  ALA  853      26.305  44.440  13.292  1.00 23.32
ATOM   306  C   ALA  853      24.311  45.222  12.026  1.00 23.89
ATOM   307  O   ALA  853      24.079  44.439  11.108  1.00 26.15
ATOM   308  N   PHE  854      24.044  46.526  11.936  1.00 22.87
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FIG. 7(7)

ATOM	310	CA	PHE	854	23.529	47.059	10.680	1.00	16.46
ATOM	311	CB	PHE	854	22.487	48.135	10.901	1.00	23.71
ATOM	312	CG	PHE	854	22.020	48.758	9.643	1.00	27.62
ATOM	313	CD1	PHE	854	22.476	50.011	9.266	1.00	28.26
ATOM	314	CD2	PHE	854	21.205	48.052	8.771	1.00	31.56
ATOM	315	CE1	PHE	854	22.136	50.549	8.025	1.00	30.16
ATOM	316	CE2	PHE	854	20.856	48.592	7.512	1.00	34.04
ATOM	317	CZ	PHE	854	21.328	49.838	7.145	1.00	28.32
ATOM	318	C	PHE	854	24.618	47.569	9.794	1.00	14.10
ATOM	319	O	PHE	854	25.493	48.299	10.209	1.00	17.34
ATOM	320	N	GLY	855	24.556	47.163	8.553	1.00	17.45
ATOM	322	CA	GLY	855	25.559	47.571	7.604	1.00	18.50
ATOM	323	C	GLY	855	26.988	47.318	8.020	1.00	22.65
ATOM	324	O	GLY	855	27.806	48.193	7.777	1.00	26.82
ATOM	325	N	ILE	856	27.332	46.150	8.580	1.00	23.51
ATOM	327	CA	ILE	856	28.740	45.886	8.983	1.00	24.11
ATOM	328	CB	ILE	856	28.868	44.692	9.980	1.00	27.72
ATOM	329	CG2	ILE	856	28.535	43.370	9.259	1.00	29.88
ATOM	330	CG1	ILE	856	30.282	44.663	10.608	1.00	23.26
ATOM	331	CD1	ILE	856	30.371	44.079	12.034	1.00	21.70
ATOM	332	C	ILE	856	29.704	45.665	7.805	1.00	24.83
ATOM	333	O	ILE	856	30.918	45.721	7.950	1.00	28.37
ATOM	334	N	ASP	857	29.145	45.460	6.626	1.00	27.69
ATOM	336	CA	ASP	857	29.926	45.248	5.420	1.00	31.23
ATOM	337	CB	ASP	857	29.566	43.891	4.838	1.00	34.80
ATOM	338	CG	ASP	857	28.074	43.658	4.811	1.00	40.03
ATOM	339	OD1	ASP	857	27.328	44.597	4.448	1.00	43.33
ATOM	340	OD2	ASP	857	27.641	42.549	5.200	1.00	46.87
ATOM	341	C	ASP	857	29.654	46.323	4.370	1.00	32.81
ATOM	342	O	ASP	857	29.721	46.040	3.183	1.00	38.59
ATOM	343	N	LYS	858	29.299	47.529	4.813	1.00	34.74
ATOM	345	CA	LYS	858	28.987	48.690	3.946	1.00	34.64
ATOM	346	CB	LYS	858	30.061	48.947	2.889	1.00	31.38
ATOM	347	CG	LYS	858	31.462	48.964	3.418	1.00	34.36
ATOM	348	CD	LYS	858	31.605	49.890	4.603	1.00	39.41
ATOM	349	CE	LYS	858	33.005	49.791	5.228	1.00	39.87
ATOM	350	NZ	LYS	858	34.059	50.089	4.218	1.00	39.89
ATOM	354	C	LYS	858	27.629	48.709	3.254	1.00	32.27
ATOM	355	O	LYS	858	27.249	49.737	2.724	1.00	35.02
ATOM	356	N	THR	859	26.891	47.607	3.258	1.00	32.20
ATOM	358	CA	THR	859	25.597	47.610	2.600	1.00	30.11
ATOM	359	CB	THR	859	25.355	46.332	1.785	1.00	30.38
ATOM	360	OG1	THR	859	25.365	45.187	2.641	1.00	32.29

FIG. 7(8)

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ATOM   362  CG2 THR  859      26.437  46.179   0.757  1.00 32.22
ATOM   363  C   THR  859      24.450  47.839   3.546  1.00 28.71
ATOM   364  O   THR  859      24.577  47.647   4.750  1.00 30.55
ATOM   365  N   ALA  860      23.303  48.201   2.989  1.00 30.07
ATOM   367  CA  ALA  860      22.123  48.474   3.784  1.00 28.01
ATOM   368  CB  ALA  860      21.141  49.253   2.928  1.00 23.78
ATOM   369  C   ALA  860      21.461  47.222   4.394  1.00 28.00
ATOM   370  O   ALA  860      20.251  47.100   4.373  1.00 31.77
ATOM   371  N   THR  861      22.228  46.325   5.008  1.00 29.99
ATOM   373  CA  THR  861      21.663  45.078   5.577  1.00 27.77
ATOM   374  CB  THR  861      22.186  43.857   4.808  1.00 20.97
ATOM   375  OG1 THR  861      23.614  43.926   4.687  1.00 27.23
ATOM   377  CG2 THR  861      21.608  43.794   3.449  1.00 29.39
ATOM   378  C   THR  861      21.986  44.790   7.055  1.00 31.89
ATOM   379  O   THR  861      23.095  45.077   7.532  1.00 34.73
ATOM   380  N   CYS  862      21.037  44.183   7.770  1.00 34.09
ATOM   382  CA  CYS  862      21.250  43.805   9.178  1.00 31.63
ATOM   383  CB  CYS  862      19.922  43.756   9.943  1.00 27.50
ATOM   384  SG  CYS  862      19.863  44.908  11.327  1.00 41.79
ATOM   385  C   CYS  862      21.876  42.424   9.146  1.00 25.51
ATOM   386  O   CYS  862      21.241  41.492   8.700  1.00 30.38
ATOM   387  N   ARG  863      23.136  42.307   9.541  1.00 27.68
ATOM   389  CA  ARG  863      23.839  41.025   9.532  1.00 28.29
ATOM   390  CB  ARG  863      25.211  41.210   8.882  1.00 36.18
ATOM   391  CG  ARG  863      25.775  39.945   8.275  1.00 48.71
ATOM   392  CD  ARG  863      27.282  40.034   7.943  1.00 58.46
ATOM   393  NE  ARG  863      27.824  38.721   7.550  1.00 65.04
ATOM   395  CZ  ARG  863      29.112  38.452   7.330  1.00 65.66
ATOM   396  NH1 ARG  863      29.482  37.219   6.985  1.00 67.60
ATOM   399  NH2 ARG  863      30.030  39.409   7.421  1.00 66.49
ATOM   402  C   ARG  863      24.006  40.409  10.943  1.00 28.34
ATOM   403  O   ARG  863      24.337  41.125  11.904  1.00 24.64
ATOM   404  N   THR  864      23.735  39.100  11.078  1.00 23.23
ATOM   406  CA  THR  864      23.900  38.426  12.364  1.00 18.91
ATOM   407  CB  THR  864      23.062  37.099  12.489  1.00 19.40
ATOM   408  OG1 THR  864      21.672  37.435  12.547  1.00 24.20
ATOM   410  CG2 THR  864      23.371  36.351  13.793  1.00  8.83
ATOM   411  C   THR  864      25.385  38.148  12.462  1.00 20.93
ATOM   412  O   THR  864      26.001  37.736  11.468  1.00 20.14
ATOM   413  N   VAL  865      25.962  38.442  13.634  1.00 16.03
ATOM   415  CA  VAL  865      27.381  38.254  13.897  1.00 16.69
ATOM   416  CB  VAL  865      28.175  39.620  13.906  1.00 17.70
ATOM   417  CG1 VAL  865      28.107  40.299  12.539  1.00 21.22
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FIG. 7(9)

ATOM	418	CG2	VAL	865	27.625	40.554	14.979	1.00	20.92
ATOM	419	C	VAL	865	27.533	37.660	15.276	1.00	15.90
ATOM	420	O	VAL	865	26.552	37.554	15.995	1.00	16.43
ATOM	421	N	ALA	866	28.775	37.295	15.612	1.00	16.37
ATOM	423	CA	ALA	866	29.210	36.753	16.910	1.00	18.08
ATOM	424	CB	ALA	866	30.022	35.490	16.691	1.00	7.41
ATOM	425	C	ALA	866	30.117	37.834	17.588	1.00	23.87
ATOM	426	O	ALA	866	31.121	38.261	16.998	1.00	24.17
ATOM	427	N	VAL	867	29.790	38.235	18.827	1.00	26.69
ATOM	429	CA	VAL	867	30.534	39.268	19.554	1.00	20.37
ATOM	430	CB	VAL	867	29.592	40.365	20.088	1.00	17.71
ATOM	431	CG1	VAL	867	30.361	41.586	20.519	1.00	9.32
ATOM	432	CG2	VAL	867	28.635	40.753	19.027	1.00	14.57
ATOM	433	C	VAL	867	31.320	38.748	20.728	1.00	21.67
ATOM	434	O	VAL	867	30.784	38.085	21.606	1.00	23.57
ATOM	435	N	LYS	868	32.616	38.982	20.694	1.00	21.65
ATOM	437	CA	LYS	868	33.471	38.593	21.782	1.00	27.02
ATOM	438	CB	LYS	868	34.860	38.169	21.289	1.00	29.71
ATOM	439	CG	LYS	868	34.842	36.963	20.405	1.00	37.08
ATOM	440	CD	LYS	868	36.151	36.810	19.666	1.00	44.81
ATOM	441	CE	LYS	868	36.183	35.512	18.868	1.00	45.52
ATOM	442	NZ	LYS	868	37.548	35.298	18.274	1.00	47.28
ATOM	446	C	LYS	868	33.585	39.842	22.647	1.00	26.11
ATOM	447	O	LYS	868	33.962	40.914	22.188	1.00	24.72
ATOM	448	N	MET	869	33.184	39.721	23.888	1.00	29.77
ATOM	450	CA	MET	869	33.299	40.821	24.803	1.00	32.95
ATOM	451	CB	MET	869	31.958	41.491	24.996	1.00	30.57
ATOM	452	CG	MET	869	30.900	40.542	25.463	1.00	32.29
ATOM	453	SD	MET	869	29.348	41.157	24.961	1.00	42.68
ATOM	454	CE	MET	869	29.251	42.663	25.919	1.00	35.32
ATOM	455	C	MET	869	33.778	40.205	26.095	1.00	40.29
ATOM	456	O	MET	869	33.921	38.967	26.216	1.00	35.26
ATOM	457	N	LEU	870	34.079	41.066	27.051	1.00	46.88
ATOM	459	CA	LEU	870	34.521	40.576	28.337	1.00	51.36
ATOM	460	CB	LEU	870	35.544	41.549	28.937	1.00	48.55
ATOM	461	CG	LEU	870	36.862	41.677	28.180	1.00	44.32
ATOM	462	CD1	LEU	870	37.734	42.739	28.855	1.00	36.89
ATOM	463	CD2	LEU	870	37.535	40.306	28.149	1.00	41.04
ATOM	464	C	LEU	870	33.344	40.306	29.311	1.00	53.63
ATOM	465	O	LEU	870	32.163	40.615	29.037	1.00	52.68
ATOM	466	N	LYS	871	33.675	39.644	30.412	1.00	56.89
ATOM	468	CA	LYS	871	32.695	39.346	31.426	1.00	58.53
ATOM	469	CB	LYS	871	33.083	38.077	32.169	1.00	59.89

FIG. 7(10)

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ATOM   470  CG  LYS  871      31.903  37.220  32.546  1.00 63.81
ATOM   471  CD  LYS  871      31.912  35.965  31.719  1.00 65.43
ATOM   472  CE  LYS  871      33.268  35.318  31.853  1.00 70.59
ATOM   473  NZ  LYS  871      33.318  34.051  31.135  1.00 76.57
ATOM   477  C   LYS  871      32.649  40.518  32.404  1.00 59.44
ATOM   478  O   LYS  871      33.582  41.342  32.464  1.00 56.75
ATOM   479  N   GLU  872      31.566  40.571  33.177  1.00 61.50
ATOM   481  CA  GLU  872      31.357  41.618  34.177  1.00 64.12
ATOM   482  CB  GLU  872      29.928  41.539  34.739  1.00 66.85
ATOM   483  CG  GLU  872      28.846  41.903  33.729  1.00 71.27
ATOM   484  CD  GLU  872      29.060  41.218  32.387  1.00 74.41
ATOM   485  OE1 GLU  872      28.900  39.980  32.326  1.00 76.27
ATOM   486  OE2 GLU  872      29.443  41.903  31.411  1.00 74.20
ATOM   487  C   GLU  872      32.387  41.424  35.288  1.00 60.87
ATOM   488  O   GLU  872      32.331  40.441  36.026  1.00 61.34
ATOM   489  N   GLY  873      33.368  42.319  35.335  1.00 57.40
ATOM   491  CA  GLY  873      34.408  42.223  36.337  1.00 53.93
ATOM   492  C   GLY  873      35.703  41.641  35.803  1.00 52.30
ATOM   493  O   GLY  873      36.518  41.103  36.563  1.00 51.95
ATOM   494  N   ALA  874      35.881  41.721  34.491  1.00 51.13
ATOM   496  CA  ALA  874      37.090  41.217  33.862  1.00 51.21
ATOM   497  CB  ALA  874      36.875  41.049  32.335  1.00 48.57
ATOM   498  C   ALA  874      38.270  42.172  34.199  1.00 50.40
ATOM   499  O   ALA  874      38.101  43.388  34.369  1.00 48.57
ATOM   500  N   THR  875      39.465  41.609  34.245  1.00 48.33
ATOM   502  CA  THR  875      40.657  42.334  34.617  1.00 51.59
ATOM   503  CB  THR  875      41.572  41.428  35.447  1.00 54.42
ATOM   504  OG1 THR  875      42.677  42.184  35.937  1.00 60.69
ATOM   506  CG2 THR  875      42.107  40.280  34.593  1.00 60.52
ATOM   507  C   THR  875      41.455  42.830  33.448  1.00 51.15
ATOM   508  O   THR  875      41.395  42.263  32.372  1.00 52.26
ATOM   509  N   HIS  876      42.343  43.770  33.733  1.00 53.93
ATOM   511  CA  HIS  876      43.215  44.392  32.737  1.00 55.68
ATOM   512  CB  HIS  876      44.170  45.383  33.419  1.00 54.06
ATOM   513  CG  HIS  876      45.609  44.980  33.361  1.00 56.52
ATOM   514  CD2 HIS  876      46.595  45.314  32.487  1.00 56.83
ATOM   515  ND1 HIS  876      46.191  44.149  34.297  1.00 60.22
ATOM   517  CE1 HIS  876      47.472  43.992  34.009  1.00 62.12
ATOM   518  NE2 HIS  876      47.739  44.689  32.916  1.00 59.66
ATOM   520  C   HIS  876      44.003  43.385  31.898  1.00 54.72
ATOM   521  O   HIS  876      44.510  43.712  30.810  1.00 54.08
ATOM   522  N   SER  877      44.167  42.189  32.434  1.00 52.07
ATOM   524  CA  SER  877      44.872  41.160  31.704  1.00 53.73
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FIG. 7(11)

ATOM	525	CB	SER	877	45.622	40.256	32.669	1.00 57.58
ATOM	526	OG	SER	877	46.559	41.054	33.379	1.00 63.62
ATOM	528	C	SER	877	43.880	40.410	30.810	1.00 51.29
ATOM	529	O	SER	877	44.227	39.962	29.715	1.00 50.11
ATOM	530	N	GLU	878	42.629	40.320	31.246	1.00 47.72
ATOM	532	CA	GLU	878	41.620	39.696	30.410	1.00 45.39
ATOM	533	CB	GLU	878	40.335	39.483	31.201	1.00 48.19
ATOM	534	CG	GLU	878	40.383	38.191	32.013	1.00 60.86
ATOM	535	CD	GLU	878	39.304	38.086	33.092	1.00 68.27
ATOM	536	OE1	GLU	878	38.448	37.162	33.027	1.00 70.85
ATOM	537	OE2	GLU	878	39.336	38.911	34.029	1.00 67.92
ATOM	538	C	GLU	878	41.448	40.702	29.277	1.00 40.09
ATOM	539	O	GLU	878	41.536	40.365	28.104	1.00 38.92
ATOM	540	N	HIS	879	41.393	41.966	29.659	1.00 34.60
ATOM	542	CA	HIS	879	41.252	43.072	28.732	1.00 36.68
ATOM	543	CB	HIS	879	41.070	44.392	29.505	1.00 44.03
ATOM	544	CG	HIS	879	40.637	45.547	28.652	1.00 43.54
ATOM	545	CD2	HIS	879	39.403	46.025	28.364	1.00 40.08
ATOM	546	ND1	HIS	879	41.529	46.307	27.917	1.00 39.08
ATOM	548	CE1	HIS	879	40.860	47.192	27.202	1.00 40.82
ATOM	549	NE2	HIS	879	39.572	47.045	27.452	1.00 49.01
ATOM	551	C	HIS	879	42.455	43.172	27.797	1.00 34.17
ATOM	552	O	HIS	879	42.293	43.494	26.626	1.00 33.65
ATOM	553	N	ARG	880	43.664	42.993	28.319	1.00 33.25
ATOM	555	CA	ARG	880	44.838	43.033	27.470	1.00 29.84
ATOM	556	CB	ARG	880	46.124	42.932	28.299	1.00 36.53
ATOM	557	CG	ARG	880	46.615	41.470	28.452	1.00 50.57
ATOM	558	CD	ARG	880	48.121	41.276	28.649	1.00 56.95
ATOM	559	NE	ARG	880	48.555	41.748	29.960	1.00 63.99
ATOM	561	CZ	ARG	880	49.030	42.967	30.175	1.00 66.67
ATOM	562	NH1	ARG	880	49.391	43.327	31.397	1.00 66.45
ATOM	565	NH2	ARG	880	49.170	43.813	29.157	1.00 66.52
ATOM	568	C	ARG	880	44.741	41.799	26.533	1.00 29.72
ATOM	569	O	ARG	880	45.246	41.808	25.401	1.00 21.81
ATOM	570	N	ALA	881	44.070	40.747	27.006	1.00 28.49
ATOM	572	CA	ALA	881	43.942	39.514	26.227	1.00 31.72
ATOM	573	CB	ALA	881	43.587	38.342	27.142	1.00 31.57
ATOM	574	C	ALA	881	42.978	39.592	25.044	1.00 29.98
ATOM	575	O	ALA	881	43.319	39.154	23.944	1.00 31.95
ATOM	576	N	LEU	882	41.766	40.099	25.273	1.00 27.12
ATOM	578	CA	LEU	882	40.804	40.248	24.193	1.00 27.43
ATOM	579	CB	LEU	882	39.493	40.784	24.728	1.00 23.93
ATOM	580	CG	LEU	882	38.402	40.925	23.662	1.00 25.91

FIG. 7(12)

```
ATOM   581  CD1 LEU  882      38.435  39.722  22.743  1.00 21.91
ATOM   582  CD2 LEU  882      37.013  41.102  24.325  1.00 23.61
ATOM   583  C   LEU  882      41.368  41.230  23.151  1.00 30.62
ATOM   584  O   LEU  882      41.312  40.982  21.945  1.00 27.61
ATOM   585  N   MET  883      41.940  42.325  23.643  1.00 29.74
ATOM   587  CA  MET  883      42.548  43.364  22.808  1.00 30.75
ATOM   588  CB  MET  883      43.001  44.516  23.738  1.00 27.47
ATOM   589  CG  MET  883      43.432  45.828  23.084  1.00 33.64
ATOM   590  SD  MET  883      42.313  46.592  21.882  1.00 33.18
ATOM   591  CE  MET  883      41.031  47.285  22.943  1.00 33.54
ATOM   592  C   MET  883      43.711  42.756  21.965  1.00 29.92
ATOM   593  O   MET  883      43.862  43.022  20.766  1.00 28.38
ATOM   594  N   SER  884      44.501  41.893  22.588  1.00 29.75
ATOM   596  CA  SER  884      45.597  41.231  21.912  1.00 28.29
ATOM   597  CB  SER  884      46.343  40.391  22.923  1.00 32.03
ATOM   598  OG  SER  884      47.220  39.502  22.270  1.00 44.59
ATOM   600  C   SER  884      45.091  40.329  20.778  1.00 29.39
ATOM   601  O   SER  884      45.595  40.359  19.654  1.00 28.92
ATOM   602  N   GLU  885      44.084  39.526  21.071  1.00 25.33
ATOM   604  CA  GLU  885      43.559  38.661  20.058  1.00 27.47
ATOM   605  CB  GLU  885      42.563  37.692  20.661  1.00 31.61
ATOM   606  CG  GLU  885      41.142  38.108  20.642  1.00 46.01
ATOM   607  CD  GLU  885      40.215  36.903  20.799  1.00 55.19
ATOM   608  OE1 GLU  885      40.018  36.469  21.964  1.00 58.80
ATOM   609  OE2 GLU  885      39.715  36.379  19.762  1.00 54.01
ATOM   610  C   GLU  885      42.945  39.470  18.924  1.00 28.59
ATOM   611  O   GLU  885      42.833  38.983  17.805  1.00 26.67
ATOM   612  N   LEU  886      42.560  40.712  19.211  1.00 27.06
ATOM   614  CA  LEU  886      41.994  41.594  18.205  1.00 23.75
ATOM   615  CB  LEU  886      41.483  42.887  18.847  1.00 22.79
ATOM   616  CG  LEU  886      41.122  44.033  17.905  1.00 17.60
ATOM   617  CD1 LEU  886      39.981  43.608  16.999  1.00 11.98
ATOM   618  CD2 LEU  886      40.747  45.285  18.702  1.00 18.31
ATOM   619  C   LEU  886      43.049  41.936  17.147  1.00 24.77
ATOM   620  O   LEU  886      42.767  41.880  15.939  1.00 22.15
ATOM   621  N   LYS  887      44.265  42.246  17.602  1.00 25.08
ATOM   623  CA  LYS  887      45.384  42.613  16.722  1.00 24.94
ATOM   624  CB  LYS  887      46.517  43.227  17.544  1.00 29.70
ATOM   625  CG  LYS  887      46.105  44.304  18.560  1.00 30.67
ATOM   626  CD  LYS  887      45.556  45.551  17.895  1.00 28.99
ATOM   627  CE  LYS  887      45.170  46.645  18.923  1.00 26.07
ATOM   628  NZ  LYS  887      46.354  47.216  19.621  1.00 17.59
ATOM   632  C   LYS  887      45.921  41.407  15.925  1.00 25.59
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FIG. 7(13)

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ATOM   633  O   LYS  887      46.388  41.547  14.793  1.00 30.23
ATOM   634  N   ILE  888      45.917  40.235  16.542  1.00 20.48
ATOM   636  CA  ILE  888      46.347  39.028  15.859  1.00 21.46
ATOM   637  CB  ILE  888      46.306  37.795  16.816  1.00 22.73
ATOM   638  CG2 ILE  888      46.604  36.556  16.047  1.00 24.05
ATOM   639  CG1 ILE  888      47.355  37.929  17.937  1.00 23.32
ATOM   640  CD1 ILE  888      47.092  37.058  19.190  1.00 18.29
ATOM   641  C   ILE  888      45.392  38.822  14.663  1.00 19.51
ATOM   642  O   ILE  888      45.834  38.710  13.529  1.00 19.15
ATOM   643  N   LEU  889      44.088  38.828  14.922  1.00 15.54
ATOM   645  CA  LEU  889      43.078  38.677  13.872  1.00 20.73
ATOM   646  CB  LEU  889      41.658  38.818  14.446  1.00 19.41
ATOM   647  CG  LEU  889      41.204  37.652  15.372  1.00 22.61
ATOM   648  CD1 LEU  889      39.735  37.752  15.697  1.00 13.49
ATOM   649  CD2 LEU  889      41.500  36.263  14.764  1.00 18.87
ATOM   650  C   LEU  889      43.308  39.678  12.762  1.00 24.12
ATOM   651  O   LEU  889      43.342  39.344  11.584  1.00 28.65
ATOM   652  N   ILE  890      43.461  40.931  13.138  1.00 29.62
ATOM   654  CA  ILE  890      43.753  41.953  12.158  1.00 26.41
ATOM   655  CB  ILE  890      43.966  43.310  12.865  1.00 24.45
ATOM   656  CG2 ILE  890      44.555  44.333  11.888  1.00 30.36
ATOM   657  CG1 ILE  890      42.645  43.825  13.438  1.00 19.80
ATOM   658  CD1 ILE  890      42.812  45.061  14.241  1.00 14.93
ATOM   659  C   ILE  890      45.053  41.519  11.415  1.00 28.37
ATOM   660  O   ILE  890      45.126  41.553  10.191  1.00 24.83
ATOM   661  N   HIS  891      46.066  41.099  12.164  1.00 27.37
ATOM   663  CA  HIS  891      47.309  40.659  11.567  1.00 27.76
ATOM   664  CB  HIS  891      48.277  40.175  12.654  1.00 36.80
ATOM   665  CG  HIS  891      49.509  39.507  12.100  1.00 47.58
ATOM   666  CD2 HIS  891      50.811  39.869  12.147  1.00 46.38
ATOM   667  ND1 HIS  891      49.450  38.394  11.276  1.00 52.71
ATOM   669  CE1 HIS  891      50.660  38.114  10.825  1.00 50.46
ATOM   670  NE2 HIS  891      51.505  38.993  11.340  1.00 54.62
ATOM   672  C   HIS  891      47.098  39.536  10.537  1.00 27.01
ATOM   673  O   HIS  891      47.522  39.647   9.402  1.00 32.82
ATOM   674  N   ILE  892      46.580  38.403  10.995  1.00 24.99
ATOM   676  CA  ILE  892      46.300  37.216  10.181  1.00 23.19
ATOM   677  CB  ILE  892      45.233  36.282  10.907  1.00 24.73
ATOM   678  CG2 ILE  892      44.643  35.295   9.941  1.00 20.03
ATOM   679  CG1 ILE  892      45.828  35.522  12.104  1.00 26.32
ATOM   680  CD1 ILE  892      47.015  36.222  12.787  1.00 36.72
ATOM   681  C   ILE  892      45.700  37.625   8.848  1.00 22.57
ATOM   682  O   ILE  892      46.115  37.155   7.775  1.00 25.20
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FIG. 7(14)

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ATOM   683  N   GLY  893      44.699  38.492   8.916  1.00 23.88
ATOM   685  CA  GLY  893      44.034  38.910   7.702  1.00 25.37
ATOM   686  C   GLY  893      42.794  38.080   7.403  1.00 25.54
ATOM   687  O   GLY  893      42.303  37.326   8.224  1.00 32.60
ATOM   688  N   HIS  894      42.327  38.149   6.176  1.00 26.97
ATOM   690  CA  HIS  894      41.120  37.457   5.797  1.00 26.35
ATOM   691  CB  HIS  894      40.233  38.464   5.042  1.00 31.72
ATOM   692  CG  HIS  894      39.114  37.833   4.274  1.00 35.68
ATOM   693  CD2 HIS  894      37.818  37.609   4.608  1.00 34.18
ATOM   694  ND1 HIS  894      39.271  37.346   2.989  1.00 38.36
ATOM   696  CE1 HIS  894      38.121  36.854   2.568  1.00 36.24
ATOM   697  NE2 HIS  894      37.224  37.004   3.527  1.00 35.86
ATOM   699  C   HIS  894      41.253  36.182   4.958  1.00 24.38
ATOM   700  O   HIS  894      42.045  36.108   4.007  1.00 24.24
ATOM   701  N   HIS  895      40.426  35.202   5.280  1.00 17.00
ATOM   703  CA  HIS  895      40.379  33.994   4.494  1.00 18.62
ATOM   704  CB  HIS  895      41.363  32.929   4.931  1.00 15.85
ATOM   705  CG  HIS  895      41.446  31.814   3.943  1.00 21.47
ATOM   706  CD2 HIS  895      42.076  31.737   2.745  1.00 17.93
ATOM   707  ND1 HIS  895      40.675  30.676   4.042  1.00 21.96
ATOM   709  CE1 HIS  895      40.819  29.956   2.938  1.00 21.22
ATOM   710  NE2 HIS  895      41.663  30.578   2.137  1.00 10.16
ATOM   712  C   HIS  895      38.979  33.467   4.626  1.00 15.66
ATOM   713  O   HIS  895      38.396  33.656   5.663  1.00 18.76
ATOM   714  N   LEU  896      38.419  32.865   3.567  1.00 21.74
ATOM   716  CA  LEU  896      37.042  32.306   3.584  1.00 18.37
ATOM   717  CB  LEU  896      36.652  31.762   2.210  1.00 17.64
ATOM   718  CG  LEU  896      35.297  31.068   2.218  1.00 25.15
ATOM   719  CD1 LEU  896      34.218  32.077   2.454  1.00 24.41
ATOM   720  CD2 LEU  896      35.042  30.342   0.934  1.00 25.59
ATOM   721  C   LEU  896      36.867  31.172   4.569  1.00 17.58
ATOM   722  O   LEU  896      35.783  30.937   5.068  1.00 23.11
ATOM   723  N   ASN  897      37.952  30.475   4.849  1.00 15.99
ATOM   725  CA  ASN  897      37.878  29.340   5.725  1.00 18.36
ATOM   726  CB  ASN  897      38.589  28.134   5.078  1.00 20.86
ATOM   727  CG  ASN  897      37.928  27.689   3.747  1.00 16.88
ATOM   728  OD1 ASN  897      38.567  27.692   2.694  1.00 14.51
ATOM   729  ND2 ASN  897      36.639  27.346   3.799  1.00 12.11
ATOM   732  C   ASN  897      38.293  29.541   7.188  1.00 25.65
ATOM   733  O   ASN  897      38.648  28.556   7.858  1.00 22.22
ATOM   734  N   VAL  898      38.357  30.800   7.660  1.00 23.53
ATOM   736  CA  VAL  898      38.631  31.079   9.081  1.00 15.38
ATOM   737  CB  VAL  898      40.036  31.719   9.457  1.00 11.47
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FIG. 7(15)

ATOM	738	CG1	VAL	898	41.146	30.813	9.017	1.00	14.76
ATOM	739	CG2	VAL	898	40.236	33.119	8.883	1.00	8.71
ATOM	740	C	VAL	898	37.475	31.959	9.477	1.00	15.57
ATOM	741	O	VAL	898	36.698	32.382	8.620	1.00	17.87
ATOM	742	N	VAL	899	37.226	32.049	10.773	1.00	18.55
ATOM	744	CA	VAL	899	36.155	32.882	11.264	1.00	20.68
ATOM	745	CB	VAL	899	35.757	32.487	12.720	1.00	19.98
ATOM	746	CG1	VAL	899	34.618	33.384	13.202	1.00	18.29
ATOM	747	CG2	VAL	899	35.346	31.016	12.788	1.00	12.67
ATOM	748	C	VAL	899	36.807	34.272	11.244	1.00	21.95
ATOM	749	O	VAL	899	37.725	34.517	12.003	1.00	21.42
ATOM	750	N	ASN	900	36.352	35.164	10.363	1.00	23.43
ATOM	752	CA	ASN	900	36.930	36.526	10.226	1.00	23.52
ATOM	753	CB	ASN	900	36.737	37.061	8.803	1.00	19.45
ATOM	754	CG	ASN	900	37.350	36.177	7.782	1.00	19.58
ATOM	755	OD1	ASN	900	38.578	36.087	7.667	1.00	17.65
ATOM	756	ND2	ASN	900	36.511	35.528	7.004	1.00	20.34
ATOM	759	C	ASN	900	36.484	37.641	11.152	1.00	17.00
ATOM	760	O	ASN	900	35.343	37.704	11.598	1.00	16.94
ATOM	761	N	LEU	901	37.413	38.544	11.384	1.00	17.25
ATOM	763	CA	LEU	901	37.167	39.733	12.160	1.00	17.98
ATOM	764	CB	LEU	901	38.494	40.447	12.426	1.00	16.80
ATOM	765	CG	LEU	901	38.444	41.819	13.101	1.00	14.17
ATOM	766	CD1	LEU	901	38.018	41.673	14.560	1.00	11.71
ATOM	767	CD2	LEU	901	39.782	42.435	13.008	1.00	2.76
ATOM	768	C	LEU	901	36.354	40.578	11.174	1.00	20.28
ATOM	769	O	LEU	901	36.669	40.612	9.965	1.00	18.06
ATOM	770	N	LEU	902	35.280	41.180	11.686	1.00	19.74
ATOM	772	CA	LEU	902	34.398	42.031	10.917	1.00	15.84
ATOM	773	CB	LEU	902	32.950	41.593	11.087	1.00	11.70
ATOM	774	CG	LEU	902	32.615	40.230	10.473	1.00	13.49
ATOM	775	CD1	LEU	902	31.142	39.827	10.774	1.00	13.78
ATOM	776	CD2	LEU	902	32.856	40.270	8.981	1.00	12.15
ATOM	777	C	LEU	902	34.566	43.486	11.345	1.00	19.59
ATOM	778	O	LEU	902	34.466	44.380	10.510	1.00	23.95
ATOM	779	N	GLY	903	34.854	43.724	12.625	1.00	20.15
ATOM	781	CA	GLY	903	35.037	45.090	13.114	1.00	21.60
ATOM	782	C	GLY	903	35.147	45.075	14.620	1.00	24.02
ATOM	783	O	GLY	903	35.070	43.991	15.194	1.00	26.53
ATOM-	784	N	ALA	904	35.305	46.236	15.269	1.00	25.19
ATOM	786	CA	ALA	904	35.411	46.293	16.740	1.00	18.80
ATOM	787	CB	ALA	904	36.830	46.074	17.177	1.00	12.62
ATOM	788	C	ALA	904	34.886	47.559	17.386	1.00	20.83

FIG. 7(16)

ATOM	789	O	ALA	904	34.789	48.616	16.765	1.00	26.12
ATOM	790	N	CYS	905	34.617	47.443	18.674	1.00	21.21
ATOM	792	CA	CYS	905	34.128	48.530	19.493	1.00	19.91
ATOM	793	CB	CYS	905	32.804	48.160	20.115	1.00	16.08
ATOM	794	SG	CYS	905	31.561	47.894	18.851	1.00	15.32
ATOM	795	C	CYS	905	35.176	48.687	20.556	1.00	23.00
ATOM	796	O	CYS	905	35.245	47.890	21.486	1.00	24.21
ATOM	797	N	THR	906	36.042	49.674	20.361	1.00	26.02
ATOM	799	CA	THR	906	37.140	49.945	21.283	1.00	29.46
ATOM	800	CB	THR	906	38.514	49.768	20.574	1.00	26.67
ATOM	801	OG1	THR	906	38.635	50.739	19.526	1.00	29.06
ATOM	803	CG2	THR	906	38.648	48.363	20.001	1.00	23.13
ATOM	804	C	THR	906	37.130	51.346	21.928	1.00	30.07
ATOM	805	O	THR	906	37.642	51.522	23.036	1.00	29.29
ATOM	806	N	LYS	907	36.582	52.332	21.228	1.00	32.81
ATOM	808	CA	LYS	907	36.554	53.686	21.745	1.00	39.38
ATOM	809	CB	LYS	907	35.982	54.637	20.701	1.00	41.03
ATOM	810	CG	LYS	907	34.536	54.432	20.386	1.00	48.86
ATOM	811	CD	LYS	907	34.071	55.528	19.427	1.00	57.25
ATOM	812	CE	LYS	907	33.996	56.878	20.143	1.00	63.62
ATOM	813	NZ	LYS	907	33.688	58.001	19.213	1.00	68.81
ATOM	817	C	LYS	907	35.796	53.779	23.070	1.00	44.43
ATOM	818	O	LYS	907	35.094	52.867	23.442	1.00	44.52
ATOM	819	N	PRO	908	36.034	54.838	23.857	1.00	49.18
ATOM	820	CD	PRO	908	37.147	55.794	23.712	1.00	50.93
ATOM	821	CA	PRO	908	35.358	55.022	25.149	1.00	46.86
ATOM	822	CB	PRO	908	35.963	56.324	25.647	1.00	49.68
ATOM	823	CG	PRO	908	37.387	56.216	25.143	1.00	51.43
ATOM	824	C	PRO	908	33.852	55.145	25.036	1.00	44.06
ATOM	825	O	PRO	908	33.345	55.600	24.008	1.00	44.40
ATOM	826	N	GLY	909	33.154	54.772	26.110	1.00	41.44
ATOM	828	CA	GLY	909	31.698	54.842	26.135	1.00	37.38
ATOM	829	C	GLY	909	30.999	53.502	26.035	1.00	38.26
ATOM	830	O	GLY	909	29.778	53.439	25.751	1.00	40.07
ATOM	831	N	GLY	910	31.753	52.424	26.264	1.00	36.39
ATOM	833	CA	GLY	910	31.178	51.087	26.190	1.00	34.35
ATOM	834	C	GLY	910	32.180	49.961	26.360	1.00	31.85
ATOM	835	O	GLY	910	33.394	50.235	26.528	1.00	27.95
ATOM	836	N	PRO	911	31.710	48.686	26.319	1.00	27.95
ATOM	837	CD	PRO	911	30.280	48.339	26.197	1.00	28.51
ATOM	838	CA	PRO	911	32.511	47.463	26.467	1.00	25.21
ATOM	839	CB	PRO	911	31.438	46.393	26.724	1.00	27.44
ATOM	840	CG	PRO	911	30.315	46.840	25.891	1.00	22.45

FIG. 7(17)

ATOM	841	C	PRO	911	33.340	47.118	25.234	1.00	22.33
ATOM	842	O	PRO	911	32.903	47.366	24.124	1.00	23.57
ATOM	843	N	LEU	912	34.548	46.581	25.430	1.00	22.75
ATOM	845	CA	LEU	912	35.412	46.177	24.308	1.00	23.22
ATOM	846	CB	LEU	912	36.778	45.685	24.812	1.00	23.67
ATOM	847	CG	LEU	912	38.095	45.759	24.005	1.00	24.34
ATOM	848	CD1	LEU	912	38.988	44.618	24.490	1.00	20.11
ATOM	849	CD2	LEU	912	37.906	45.745	22.477	1.00	12.72
ATOM	850	C	LEU	912	34.692	45.010	23.627	1.00	22.56
ATOM	851	O	LEU	912	34.342	44.029	24.283	1.00	17.69
ATOM	852	N	MET	913	34.417	45.142	22.334	1.00	24.19
ATOM	854	CA	MET	913	33.724	44.085	21.617	1.00	21.51
ATOM	855	CB	MET	913	32.264	44.456	21.429	1.00	22.09
ATOM	856	CG	MET	913	31.489	44.461	22.728	1.00	22.26
ATOM	857	SD	MET	913	29.829	45.009	22.484	1.00	24.17
ATOM	858	CE	MET	913	30.127	46.676	22.205	1.00	20.40
ATOM	859	C	MET	913	34.386	43.768	20.295	1.00	20.42
ATOM	860	O	MET	913	34.701	44.657	19.519	1.00	21.08
ATOM	861	N	VAL	914	34.703	42.491	20.102	1.00	23.72
ATOM	863	CA	VAL	914	35.354	42.001	18.891	1.00	20.24
ATOM	864	CB	VAL	914	36.614	41.170	19.232	1.00	16.92
ATOM	865	CG1	VAL	914	37.254	40.637	17.958	1.00	19.36
ATOM	866	CG2	VAL	914	37.629	42.055	19.972	1.00	13.30
ATOM	867	C	VAL	914	34.296	41.210	18.132	1.00	19.70
ATOM	868	O	VAL	914	33.836	40.191	18.587	1.00	26.45
ATOM	869	N	ILE	915	33.844	41.775	17.026	1.00	19.86
ATOM	871	CA	ILE	915	32.806	41.212	16.179	1.00	20.42
ATOM	872	CB	ILE	915	32.034	42.384	15.455	1.00	18.44
ATOM	873	CG2	ILE	915	30.721	41.909	14.869	1.00	12.35
ATOM	874	CG1	ILE	915	31.756	43.531	16.426	1.00	17.60
ATOM	875	CD1	ILE	915	31.358	44.822	15.735	1.00	15.14
ATOM	876	C	ILE	915	33.457	40.287	15.115	1.00	23.98
ATOM	877	O	ILE	915	34.361	40.722	14.373	1.00	23.30
ATOM	878	N	VAL	916	33.054	39.011	15.075	1.00	20.08
ATOM	880	CA	VAL	916	33.594	38.089	14.077	1.00	17.64
ATOM	881	CB	VAL	916	34.543	37.003	14.680	1.00	9.09
ATOM	882	CG1	VAL	916	35.703	37.685	15.350	1.00	5.05
ATOM	883	CG2	VAL	916	33.817	36.126	15.678	1.00	10.26
ATOM	884	C	VAL	916	32.422	37.486	13.342	1.00	17.74
ATOM	885	O	VAL	916	31.275	37.790	13.664	1.00	20.02
ATOM	886	N	GLU	917	32.684	36.702	12.303	1.00	14.74
ATOM	888	CA	GLU	917	31.589	36.073	11.577	1.00	13.03
ATOM	889	CB	GLU	917	32.120	35.409	10.332	1.00	14.06

FIG. 7(18)

ATOM	890	CG	GLU	917	32.946	36.348	9.464	1.00	24.11
ATOM	891	CD	GLU	917	33.543	35.651	8.258	1.00	26.52
ATOM	892	OE1	GLU	917	33.060	35.904	7.139	1.00	27.67
ATOM	893	OE2	GLU	917	34.480	34.841	8.425	1.00	28.39
ATOM	894	C	GLU	917	30.853	35.051	12.434	1.00	14.78
ATOM	895	O	GLU	917	31.445	34.344	13.234	1.00	14.35
ATOM	896	N	PHE	918	29.557	34.958	12.229	1.00	19.12
ATOM	898	CA	PHE	918	28.688	34.042	12.966	1.00	18.07
ATOM	899	CB	PHE	918	27.334	34.721	13.168	1.00	18.48
ATOM	900	CG	PHE	918	26.275	33.840	13.748	1.00	17.83
ATOM	901	CD1	PHE	918	26.328	33.456	15.081	1.00	18.65
ATOM	902	CD2	PHE	918	25.213	33.400	12.953	1.00	21.10
ATOM	903	CE1	PHE	918	25.336	32.639	15.613	1.00	18.12
ATOM	904	CE2	PHE	918	24.210	32.580	13.473	1.00	14.29
ATOM	905	CZ	PHE	918	24.274	32.201	14.799	1.00	17.78
ATOM	906	C	PHE	918	28.487	32.805	12.113	1.00	18.83
ATOM	907	O	PHE	918	28.081	32.917	10.964	1.00	11.61
ATOM	908	N	CYS	919	28.761	31.635	12.676	1.00	19.49
ATOM	910	CA	CYS	919	28.590	30.372	11.947	1.00	19.00
ATOM	911	CB	CYS	919	29.855	29.566	12.069	1.00	16.78
ATOM	912	SG	CYS	919	31.225	30.428	11.325	1.00	16.84
ATOM	913	C	CYS	919	27.383	29.659	12.556	1.00	21.18
ATOM	914	O	CYS	919	27.474	29.135	13.676	1.00	20.69
ATOM	915	N	LYS	920	26.269	29.653	11.818	1.00	18.06
ATOM	917	CA	LYS	920	24.998	29.130	12.318	1.00	28.13
ATOM	918	CB	LYS	920	23.799	29.581	11.459	1.00	25.17
ATOM	919	CG	LYS	920	23.595	28.799	10.207	1.00	33.78
ATOM	920	CD	LYS	920	22.658	29.509	9.250	1.00	40.32
ATOM	921	CE	LYS	920	21.261	29.706	9.829	1.00	51.94
ATOM	922	NZ	LYS	920	20.343	30.396	8.845	1.00	56.09
ATOM	926	C	LYS	920	24.813	27.679	12.700	1.00	28.53
ATOM	927	O	LYS	920	24.020	27.405	13.592	1.00	31.57
ATOM	928	N	PHE	921	25.533	26.757	12.078	1.00	24.89
ATOM	930	CA	PHE	921	25.328	25.362	12.409	1.00	21.12
ATOM	931	CB	PHE	921	25.497	24.518	11.171	1.00	20.75
ATOM	932	CG	PHE	921	24.588	24.917	10.084	1.00	22.95
ATOM	933	CD1	PHE	921	23.224	24.734	10.219	1.00	27.55
ATOM	934	CD2	PHE	921	25.077	25.564	8.975	1.00	29.40
ATOM	935	CE1	PHE	921	22.362	25.205	9.269	1.00	35.42
ATOM	936	CE2	PHE	921	24.237	26.041	8.013	1.00	32.24
ATOM	937	CZ	PHE	921	22.869	25.870	8.154	1.00	38.81
ATOM	938	C	PHE	921	26.158	24.823	13.535	1.00	21.23
ATOM	939	O	PHE	921	26.002	23.664	13.900	1.00	22.74

FIG. 7(19)

ATOM	940	N	GLY	922	27.047	25.659	14.065	1.00	18.39
ATOM	942	CA	GLY	922	27.906	25.257	15.172	1.00	17.62
ATOM	943	C	GLY	922	29.115	24.455	14.759	1.00	18.42
ATOM	944	O	GLY	922	29.331	24.230	13.581	1.00	20.81
ATOM	945	N	ASN	923	29.903	24.011	15.729	1.00	22.93
ATOM	947	CA	ASN	923	31.092	23.223	15.430	1.00	24.85
ATOM	948	CB	ASN	923	31.867	22.837	16.705	1.00	29.68
ATOM	949	CG	ASN	923	31.212	21.710	17.493	1.00	39.14
ATOM	950	OD1	ASN	923	31.252	20.550	17.087	1.00	41.11
ATOM	951	ND2	ASN	923	30.662	22.038	18.660	1.00	35.87
ATOM	954	C	ASN	923	30.818	22.019	14.523	1.00	21.09
ATOM	955	O	ASN	923	29.685	21.566	14.370	1.00	20.59
ATOM	956	N	LEU	924	31.867	21.523	13.896	1.00	21.13
ATOM	958	CA	LEU	924	31.740	20.431	12.957	1.00	22.85
ATOM	959	CB	LEU	924	33.019	20.377	12.126	1.00	23.67
ATOM	960	CG	LEU	924	33.019	19.462	10.920	1.00	17.22
ATOM	961	CD1	LEU	924	31.776	19.699	10.125	1.00	18.21
ATOM	962	CD2	LEU	924	34.268	19.729	10.095	1.00	23.82
ATOM	963	C	LEU	924	31.414	19.062	13.558	1.00	22.65
ATOM	964	O	LEU	924	30.601	18.326	13.013	1.00	26.13
ATOM	965	N	SER	925	31.035	18.742	14.687	1.00	20.06
ATOM	967	CA	SER	925	31.853	17.463	15.383	1.00	25.99
ATOM	968	CB	SER	925	32.741	17.400	16.623	1.00	27.28
ATOM	969	OG	SER	925	32.426	16.272	17.416	1.00	32.86
ATOM	971	C	SER	925	30.432	17.217	15.812	1.00	26.73
ATOM	972	O	SER	925	29.863	16.148	15.552	1.00	30.93
ATOM	973	N	THR	926	29.892	18.190	16.534	1.00	24.48
ATOM	975	CA	THR	926	28.535	18.129	16.996	1.00	19.27
ATOM	976	CB	THR	926	28.258	19.336	17.901	1.00	16.05
ATOM	977	OG1	THR	926	29.230	19.374	18.951	1.00	18.42
ATOM	979	CG2	THR	926	26.927	19.216	18.550	1.00	13.93
ATOM	980	C	THR	926	27.610	18.048	15.758	1.00	20.47
ATOM	981	O	THR	926	26.654	17.258	15.711	1.00	25.12
ATOM	982	N	TYR	927	27.961	18.760	14.701	1.00	18.97
ATOM	984	CA	TYR	927	27.128	18.715	13.515	1.00	20.97
ATOM	985	CB	TYR	927	27.597	19.720	12.464	1.00	18.52
ATOM	986	CG	TYR	927	26.708	19.683	11.230	1.00	18.69
ATOM	987	CD1	TYR	927	25.391	20.196	11.266	1.00	14.64
ATOM	988	CE1	TYR	927	24.567	20.173	10.125	1.00	13.73
ATOM	989	CD2	TYR	927	27.173	19.138	10.031	1.00	22.28
ATOM	990	CE2	TYR	927	26.347	19.104	8.879	1.00	24.92
ATOM	991	CZ	TYR	927	25.058	19.626	8.944	1.00	16.40
ATOM	992	OH	TYR	927	24.285	19.600	7.819	1.00	23.87

FIG. 7(20)

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ATOM   994  C   TYR  927      27.118  17.343  12.855  1.00 23.85
ATOM   995  O   TYR  927      26.078  16.860  12.428  1.00 24.11
ATOM   996  N   LEU  928      28.313  16.793  12.665  1.00 28.91
ATOM   998  CA  LEU  928      28.513  15.495  12.020  1.00 31.09
ATOM   999  CB  LEU  928      30.017  15.192  11.863  1.00 27.50
ATOM  1000  CG  LEU  928      30.813  16.159  10.953  1.00 24.21
ATOM  1001  CD1 LEU  928      32.302  15.880  11.065  1.00 24.38
ATOM  1002  CD2 LEU  928      30.343  16.097   9.514  1.00 12.63
ATOM  1003  C   LEU  928      27.801  14.369  12.747  1.00 31.00
ATOM  1004  O   LEU  928      27.164  13.540  12.117  1.00 31.53
ATOM  1005  N   ARG  929      27.883  14.351  14.067  1.00 34.05
ATOM  1007  CA  ARG  929      27.193  13.316  14.833  1.00 40.50
ATOM  1008  CB  ARG  929      27.406  13.552  16.325  1.00 41.71
ATOM  1009  CG  ARG  929      28.358  12.605  16.969  1.00 40.42
ATOM  1010  CD  ARG  929      29.253  13.359  17.908  1.00 49.36
ATOM  1011  NE  ARG  929      28.521  13.947  19.020  1.00 62.28
ATOM  1013  CZ  ARG  929      28.946  14.985  19.749  1.00 65.86
ATOM  1014  NH1 ARG  929      28.178  15.432  20.753  1.00 66.98
ATOM  1017  NH2 ARG  929      30.122  15.573  19.492  1.00 58.39
ATOM  1020  C   ARG  929      25.678  13.304  14.529  1.00 42.76
ATOM  1021  O   ARG  929      25.075  12.234  14.370  1.00 44.84
ATOM  1022  N   SER  930      25.089  14.498  14.412  1.00 41.42
ATOM  1024  CA  SER  930      23.663  14.677  14.150  1.00 37.04
ATOM  1025  CB  SER  930      23.324  16.151  14.250  1.00 38.80
ATOM  1026  OG  SER  930      23.662  16.816  13.041  1.00 37.58
ATOM  1028  C   SER  930      23.226  14.226  12.774  1.00 38.41
ATOM  1029  O   SER  930      22.034  14.254  12.451  1.00 43.98
ATOM  1030  N   LYS  931      24.179  13.865  11.936  1.00 37.60
ATOM  1032  CA  LYS  931      23.845  13.472  10.590  1.00 38.82
ATOM  1033  CB  LYS  931      24.575  14.387   9.606  1.00 43.10
ATOM  1034  CG  LYS  931      24.388  15.864   9.884  1.00 45.62
ATOM  1035  CD  LYS  931      22.999  16.302   9.487  1.00 49.49
ATOM  1036  CE  LYS  931      22.901  16.444   7.985  1.00 46.94
ATOM  1037  NZ  LYS  931      21.501  16.690   7.568  1.00 49.54
ATOM  1041  C   LYS  931      24.136  12.011  10.264  1.00 39.02
ATOM  1042  O   LYS  931      23.991  11.615   9.111  1.00 42.79
ATOM  1043  N   ARG  932      24.522  11.199  11.247  1.00 37.44
ATOM  1045  CA  ARG  932      24.793   9.776  10.971  1.00 38.33
ATOM  1046  CB  ARG  932      25.149   9.020  12.244  1.00 33.55
ATOM  1047  CG  ARG  932      26.456   9.461  12.798  1.00 33.92
ATOM  1048  CD  ARG  932      26.812   8.729  14.043  1.00 35.88
ATOM  1049  NE  ARG  932      28.223   8.929  14.368  1.00 43.26
ATOM  1051  CZ  ARG  932      28.720   8.909  15.604  1.00 45.56
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FIG. 7(21)

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ATOM  1052  NH1 ARG  932      30.018   9.098  15.809  1.00 47.32
ATOM  1055  NH2 ARG  932      27.916   8.725  16.645  1.00 53.04
ATOM  1058  C   ARG  932      23.621   9.087  10.273  1.00 41.54
ATOM  1059  O   ARG  932      23.821   8.135   9.532  1.00 41.31
ATOM  1060  N   ASN  933      22.412   9.582  10.536  1.00 44.37
ATOM  1062  CA  ASN  933      21.181   9.069   9.956  1.00 47.14
ATOM  1063  CB  ASN  933      19.974   9.453  10.824  1.00 54.55
ATOM  1064  CG  ASN  933      19.783   8.545  12.050  1.00 57.14
ATOM  1065  OD1 ASN  933      20.622   7.693  12.369  1.00 54.11
ATOM  1066  ND2 ASN  933      18.668   8.752  12.757  1.00 57.76
ATOM  1069  C   ASN  933      20.974   9.680   8.589  1.00 49.60
ATOM  1070  O   ASN  933      20.260   9.125   7.753  1.00 55.62
ATOM  1071  N   GLU  934      21.494  10.888   8.403  1.00 52.11
ATOM  1073  CA  GLU  934      21.365  11.580   7.122  1.00 52.39
ATOM  1074  CB  GLU  934      20.859  13.007   7.323  1.00 56.14
ATOM  1075  CG  GLU  934      19.434  13.095   7.822  1.00 59.40
ATOM  1076  CD  GLU  934      19.332  13.686   9.211  1.00 63.97
ATOM  1077  OE1 GLU  934      18.427  13.250   9.953  1.00 69.17
ATOM  1078  OE2 GLU  934      20.138  14.580   9.563  1.00 64.27
ATOM  1079  C   GLU  934      22.677  11.593   6.332  1.00 50.45
ATOM  1080  O   GLU  934      23.188  12.663   5.961  1.00 50.70
ATOM  1081  N   PHE  935      23.205  10.396   6.070  1.00 46.25
ATOM  1083  CA  PHE  935      24.440  10.225   5.325  1.00 41.20
ATOM  1084  CB  PHE  935      25.638  10.121   6.268  1.00 40.97
ATOM  1085  CG  PHE  935      26.923   9.800   5.555  1.00 39.81
ATOM  1086  CD1 PHE  935      27.327   8.478   5.378  1.00 34.65
ATOM  1087  CD2 PHE  935      27.676  10.815   4.970  1.00 33.02
ATOM  1088  CE1 PHE  935      28.455   8.180   4.617  1.00 32.30
ATOM  1089  CE2 PHE  935      28.793  10.515   4.218  1.00 29.96
ATOM  1090  CZ  PHE  935      29.181   9.201   4.037  1.00 29.08
ATOM  1091  C   PHE  935      24.474   9.006   4.412  1.00 40.49
ATOM  1092  O   PHE  935      24.394   7.871   4.865  1.00 40.47
ATOM  1093  N   VAL  936      24.694   9.237   3.133  1.00 38.66
ATOM  1095  CA  VAL  936      24.809   8.138   2.208  1.00 43.29
ATOM  1096  CB  VAL  936      23.663   8.113   1.221  1.00 40.39
ATOM  1097  CG1 VAL  936      23.739   9.312   0.280  1.00 34.50
ATOM  1098  CG2 VAL  936      23.720   6.841   0.444  1.00 42.47
ATOM  1099  C   VAL  936      26.087   8.436   1.438  1.00 49.63
ATOM  1100  O   VAL  936      26.322   9.585   1.081  1.00 55.64
ATOM  1101  N   PRO  937      26.960   7.433   1.222  1.00 50.29
ATOM  1102  CD  PRO  937      26.966   6.087   1.822  1.00 49.69
ATOM  1103  CA  PRO  937      28.207   7.669   0.483  1.00 50.65
ATOM  1104  CB  PRO  937      28.676   6.260   0.177  1.00 46.68
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FIG. 7(22)

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ATOM   1105  CG  PRO   937      28.378   5.582   1.493  1.00 47.42
ATOM   1106  C   PRO   937      28.019   8.501  -0.774  1.00 53.83
ATOM   1107  O   PRO   937      28.644   9.558  -0.937  1.00 53.64
ATOM   1108  N   TYR   938      27.153   8.046  -1.660  1.00 54.91
ATOM   1110  CA  TYR   938      26.918   8.803  -2.859  1.00 62.52
ATOM   1111  CB  TYR   938      27.580   8.161  -4.080  1.00 67.73
ATOM   1120  C   TYR   938      25.443   8.800  -3.059  1.00 67.31
ATOM   1121  O   TYR   938      24.722   8.082  -2.361  1.00 66.13
ATOM   1122  N   LYS   939      25.027   9.601  -4.038  1.00 75.30
ATOM   1124  CA  LYS   939      23.639   9.770  -4.445  1.00 81.21
ATOM   1125  CB  LYS   939      23.209  11.254  -4.284  1.00 80.04
ATOM   1126  C   LYS   939      23.543   9.331  -5.921  1.00 87.24
ATOM   1127  O   LYS   939      24.582   9.384  -6.646  1.00 90.23
ATOM   1129  CB  ASP   998      17.986  15.692   3.023  1.00 53.00
ATOM   1130  C   ASP   998      20.489  15.723   3.377  1.00 55.33
ATOM   1131  O   ASP   998      21.051  16.058   4.426  1.00 56.29
ATOM   1134  N   ASP   998      19.408  16.931   1.400  1.00 54.52
ATOM   1136  CA  ASP   998      19.279  16.514   2.829  1.00 55.12
ATOM   1137  N   PHE   999      20.900  14.687   2.653  1.00 52.90
ATOM   1139  CA  PHE   999      21.984  13.834   3.111  1.00 46.86
ATOM   1140  CB  PHE   999      21.841  12.420   2.528  1.00 51.05
ATOM   1141  CG  PHE   999      20.897  11.537   3.296  1.00 55.62
ATOM   1142  CD1 PHE   999      21.249  10.236   3.606  1.00 56.12
ATOM   1143  CD2 PHE   999      19.671  12.022   3.751  1.00 60.98
ATOM   1144  CE1 PHE   999      20.397   9.422   4.368  1.00 61.93
ATOM   1145  CE2 PHE   999      18.816  11.222   4.509  1.00 61.09
ATOM   1146  CZ  PHE   999      19.183   9.917   4.820  1.00 60.64
ATOM   1147  C   PHE   999      23.373  14.302   2.837  1.00 41.06
ATOM   1148  O   PHE   999      23.632  14.937   1.820  1.00 36.04
ATOM   1149  N   LEU  1000      24.238  14.057   3.812  1.00 37.57
ATOM   1151  CA  LEU  1000      25.651  14.326   3.652  1.00 36.08
ATOM   1152  CB  LEU  1000      26.401  14.306   4.985  1.00 35.67
ATOM   1153  CG  LEU  1000      25.923  15.286   6.057  1.00 36.23
ATOM   1154  CD1 LEU  1000      26.941  15.370   7.201  1.00 29.94
ATOM   1155  CD2 LEU  1000      25.707  16.654   5.435  1.00 38.66
ATOM   1156  C   LEU  1000      26.089  13.139   2.756  1.00 35.16
ATOM   1157  O   LEU  1000      25.330  12.167   2.569  1.00 32.68
ATOM   1158  N   THR  1001      27.292  13.228   2.201  1.00 29.92
ATOM   1160  CA  THR  1001      27.803  12.236   1.285  1.00 25.42
ATOM   1161  CB  THR  1001      27.396  12.560  -0.178  1.00 30.10
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FIG. 7(23)

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ATOM  1162  OG1 THR  1001      28.055  13.771  -0.605  1.00 33.54
ATOM  1164  CG2 THR  1001      25.878  12.741  -0.326  1.00 29.24
ATOM  1165  C   THR  1001      29.303  12.388   1.338  1.00 27.68
ATOM  1166  O   THR  1001      29.805  13.303   1.985  1.00 28.02
ATOM  1167  N   LEU  1002      30.020  11.552   0.592  1.00 26.85
ATOM  1169  CA  LEU  1002      31.454  11.636   0.572  1.00 24.39
ATOM  1170  CB  LEU  1002      32.044  10.545  -0.298  1.00 22.71
ATOM  1171  CG  LEU  1002      32.269   9.304   0.573  1.00 27.80
ATOM  1172  CD1 LEU  1002      32.727   8.142  -0.280  1.00 27.11
ATOM  1173  CD2 LEU  1002      33.295   9.592   1.670  1.00 24.64
ATOM  1174  C   LEU  1002      31.908  12.995   0.099  1.00 26.97
ATOM  1175  O   LEU  1002      32.967  13.459   0.506  1.00 26.84
ATOM  1176  N   GLU  1003      31.063  13.682  -0.666  1.00 27.89
ATOM  1178  CA  GLU  1003      31.428  15.000  -1.185  1.00 28.02
ATOM  1179  CB  GLU  1003      30.419  15.503  -2.208  1.00 32.50
ATOM  1180  CG  GLU  1003      30.988  16.624  -3.077  1.00 37.49
ATOM  1181  CD  GLU  1003      31.915  16.121  -4.170  1.00 38.89
ATOM  1182  OE1 GLU  1003      33.065  15.743  -3.886  1.00 43.61
ATOM  1183  OE2 GLU  1003      31.488  16.102  -5.331  1.00 46.97
ATOM  1184  C   GLU  1003      31.591  16.044  -0.117  1.00 25.24
ATOM  1185  O   GLU  1003      32.485  16.885  -0.211  1.00 26.57
ATOM  1186  N   HIS  1004      30.748  15.953   0.913  1.00 23.16
ATOM  1188  CA  HIS  1004      30.746  16.884   2.040  1.00 19.58
ATOM  1189  CB  HIS  1004      29.508  16.719   2.912  1.00 19.12
ATOM  1190  CG  HIS  1004      28.227  17.024   2.208  1.00 23.47
ATOM  1191  CD2 HIS  1004      27.173  17.784   2.570  1.00 23.78
ATOM  1192  ND1 HIS  1004      27.911  16.508   0.964  1.00 27.88
ATOM  1194  CE1 HIS  1004      26.718  16.936   0.596  1.00 20.57
ATOM  1195  NE2 HIS  1004      26.246  17.710   1.554  1.00 23.61
ATOM  1197  C   HIS  1004      31.940  16.631   2.885  1.00 21.64
ATOM  1198  O   HIS  1004      32.753  17.508   3.075  1.00 25.00
ATOM  1199  N   LEU  1005      32.055  15.419   3.394  1.00 23.11
ATOM  1201  CA  LEU  1005      33.186  15.072   4.222  1.00 23.79
ATOM  1202  CB  LEU  1005      33.131  13.581   4.589  1.00 24.17
ATOM  1203  CG  LEU  1005      32.183  13.199   5.743  1.00 27.48
ATOM  1204  CD1 LEU  1005      31.030  14.150   5.821  1.00 25.44
ATOM  1205  CD2 LEU  1005      31.679  11.771   5.627  1.00 22.50
ATOM  1206  C   LEU  1005      34.506  15.467   3.558  1.00 20.41
ATOM  1207  O   LEU  1005      35.361  16.034   4.206  1.00 21.82
ATOM  1208  N   ILE  1006      34.668  15.212   2.264  1.00 19.50
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FIG. 7(24)

ATOM	1210	CA	ILE	1006	35.914	15.589	1.609	1.00 18.77
ATOM	1211	CB	ILE	1006	36.128	14.806	0.276	1.00 16.46
ATOM	1212	CG2	ILE	1006	37.602	14.777	-0.103	1.00 12.82
ATOM	1213	CG1	ILE	1006	35.718	13.341	0.441	1.00 20.16
ATOM	1214	CD1	ILE	1006	35.961	12.446	-0.834	1.00 11.88
ATOM	1215	C	ILE	1006	35.998	17.136	1.377	1.00 22.88
ATOM	1216	O	ILE	1006	37.113	17.730	1.431	1.00 21.25
ATOM	1217	N	CYS	1007	34.854	17.788	1.108	1.00 21.47
ATOM	1219	CA	CYS	1007	34.860	19.240	0.909	1.00 21.66
ATOM	1220	CB	CYS	1007	33.522	19.825	0.431	1.00 24.87
ATOM	1221	SG	CYS	1007	33.760	21.544	-0.085	1.00 30.17
ATOM	1222	C	CYS	1007	35.247	19.953	2.196	1.00 22.22
ATOM	1223	O	CYS	1007	36.024	20.905	2.158	1.00 25.94
ATOM	1224	N	TYR	1008	34.691	19.527	3.331	1.00 20.53
ATOM	1226	CA	TYR	1008	35.030	20.132	4.617	1.00 17.94
ATOM	1227	CB	TYR	1008	34.248	19.493	5.758	1.00 18.61
ATOM	1228	CG	TYR	1008	32.753	19.488	5.626	1.00 17.97
ATOM	1229	CD1	TYR	1008	32.019	18.455	6.175	1.00 16.67
ATOM	1230	CE1	TYR	1008	30.641	18.462	6.158	1.00 22.78
ATOM	1231	CD2	TYR	1008	32.059	20.549	5.031	1.00 22.19
ATOM	1232	CE2	TYR	1008	30.646	20.569	5.011	1.00 20.60
ATOM	1233	CZ	TYR	1008	29.949	19.513	5.579	1.00 23.22
ATOM	1234	OH	TYR	1008	28.574	19.454	5.551	1.00 18.30
ATOM	1236	C	TYR	1008	36.537	19.945	4.883	1.00 18.55
ATOM	1237	O	TYR	1008	37.217	20.917	5.256	1.00 20.35
ATOM	1238	N	SER	1009	37.056	18.726	4.642	1.00 14.74
ATOM	1240	CA	SER	1009	38.476	18.409	4.852	1.00 13.39
ATOM	1241	CB	SER	1009	38.810	16.962	4.473	1.00 17.24
ATOM	1242	OG	SER	1009	38.018	16.001	5.152	1.00 26.04
ATOM	1244	C	SER	1009	39.310	19.309	3.985	1.00 16.36
ATOM	1245	O	SER	1009	40.317	19.864	4.446	1.00 20.21
ATOM	1246	N	PHE	1010	38.953	19.375	2.699	1.00 20.97
ATOM	1248	CA	PHE	1010	39.654	20.246	1.742	1.00 23.34
ATOM	1249	CB	PHE	1010	38.985	20.126	0.365	1.00 18.83
ATOM	1250	CG	PHE	1010	39.605	21.002	-0.685	1.00 17.13
ATOM	1251	CD1	PHE	1010	38.830	21.940	-1.370	1.00 13.94
ATOM	1252	CD2	PHE	1010	40.979	20.918	-0.968	1.00 17.85
ATOM	1253	CE1	PHE	1010	39.410	22.804	-2.339	1.00 16.30
ATOM	1254	CE2	PHE	1010	41.569	21.763	-1.917	1.00 17.15
ATOM	1255	CZ	PHE	1010	40.772	22.714	-2.608	1.00 18.02

FIG. 7(25)

ATOM	1256	C	PHE	1010	39.688	21.746	2.242	1.00 22.02
ATOM	1257	O	PHE	1010	40.749	22.390	2.298	1.00 23.00
ATOM	1258	N	GLN	1011	38.535	22.271	2.643	1.00 19.25
ATOM	1260	CA	GLN	1011	38.418	23.640	3.159	1.00 19.07
ATOM	1261	CB	GLN	1011	36.980	23.945	3.480	1.00 12.84
ATOM	1262	CG	GLN	1011	36.117	24.005	2.270	1.00 6.53
ATOM	1263	CD	GLN	1011	34.713	24.371	2.659	1.00 18.81
ATOM	1264	OE1	GLN	1011	34.490	25.382	3.347	1.00 21.22
ATOM	1265	NE2	GLN	1011	33.760	23.525	2.302	1.00 26.88
ATOM	1268	C	GLN	1011	39.262	23.894	4.394	1.00 18.28
ATOM	1269	O	GLN	1011	39.840	24.982	4.543	1.00 19.80
ATOM	1270	N	VAL	1012	39.270	22.934	5.319	1.00 11.82
ATOM	1272	CA	VAL	1012	40.110	23.063	6.500	1.00 13.54
ATOM	1273	CB	VAL	1012	39.825	21.936	7.528	1.00 15.67
ATOM	1274	CG1	VAL	1012	40.686	22.107	8.795	1.00 10.56
ATOM	1275	CG2	VAL	1012	38.370	21.948	7.901	1.00 14.92
ATOM	1276	C	VAL	1012	41.618	23.068	6.068	1.00 16.72
ATOM	1277	O	VAL	1012	42.448	23.782	6.665	1.00 20.48
ATOM	1278	N	ALA	1013	42.001	22.291	5.051	1.00 15.90
ATOM	1280	CA	ALA	1013	43.401	22.352	4.602	1.00 17.77
ATOM	1281	CB	ALA	1013	43.732	21.206	3.638	1.00 10.59
ATOM	1282	C	ALA	1013	43.685	23.755	3.963	1.00 15.74
ATOM	1283	O	ALA	1013	44.764	24.302	4.139	1.00 17.49
ATOM	1284	N	LYS	1014	42.718	24.342	3.244	1.00 17.18
ATOM	1286	CA	LYS	1014	42.866	25.706	2.665	1.00 15.11
ATOM	1287	CB	LYS	1014	41.557	26.152	2.020	1.00 23.73
ATOM	1288	CG	LYS	1014	41.146	25.474	0.748	1.00 23.57
ATOM	1289	CD	LYS	1014	41.963	26.033	-0.354	1.00 26.38
ATOM	1290	CE	LYS	1014	41.172	25.978	-1.617	1.00 38.71
ATOM	1291	NZ	LYS	1014	42.034	26.404	-2.776	1.00 50.36
ATOM	1295	C	LYS	1014	43.105	26.678	3.823	1.00 11.16
ATOM	1296	O	LYS	1014	44.066	27.452	3.818	1.00 13.85
ATOM	1297	N	GLY	1015	42.210	26.590	4.816	1.00 10.82
ATOM	1299	CA	GLY	1015	42.250	27.403	6.017	1.00 12.48
ATOM	1300	C	GLY	1015	43.584	27.327	6.715	1.00 17.17
ATOM	1301	O	GLY	1015	44.124	28.349	7.130	1.00 19.92
ATOM	1302	N	MET	1016	44.159	26.128	6.763	1.00 17.82
ATOM	1304	CA	MET	1016	45.426	25.927	7.439	1.00 15.78
ATOM	1305	CB	MET	1016	45.516	24.488	7.925	1.00 17.77
ATOM	1306	CG	MET	1016	44.538	24.156	9.057	1.00 15.19
ATOM	1307	SD	MET	1016	44.931	24.991	10.623	1.00 15.49

FIG. 7(26)

ATOM	1308	CE	MET	1016	46.642	24.894	10.658	1.00 5.63
ATOM	1309	C	MET	1016	46.625	26.321	6.618	1.00 14.62
ATOM	1310	O	MET	1016	47.680	26.667	7.163	1.00 15.76
ATOM	1311	N	GLU	1017	46.487	26.208	5.305	1.00 14.65
ATOM	1313	CA	GLU	1017	47.552	26.608	4.384	1.00 21.43
ATOM	1314	CB	GLU	1017	47.177	26.195	2.947	1.00 21.43
ATOM	1315	CG	GLU	1017	48.162	26.622	1.878	1.00 22.82
ATOM	1316	CD	GLU	1017	47.634	26.421	0.436	1.00 27.12
ATOM	1317	OE1	GLU	1017	46.457	26.769	0.141	1.00 24.95
ATOM	1318	OE2	GLU	1017	48.418	25.927	-0.424	1.00 32.93
ATOM	1319	C	GLU	1017	47.667	28.145	4.535	1.00 18.38
ATOM	1320	O	GLU	1017	48.760	28.668	4.593	1.00 17.43
ATOM	1321	N	PHE	1018	46.526	28.839	4.677	1.00 19.09
ATOM	1323	CA	PHE	1018	46.509	30.295	4.894	1.00 20.74
ATOM	1324	CB	PHE	1018	45.067	30.848	4.870	1.00 27.18
ATOM	1325	CG	PHE	1018	44.942	32.338	5.248	1.00 25.91
ATOM	1326	CD1	PHE	1018	44.477	32.718	6.521	1.00 26.19
ATOM	1327	CD2	PHE	1018	45.300	33.345	4.348	1.00 25.16
ATOM	1328	CE1	PHE	1018	44.381	34.059	6.890	1.00 27.10
ATOM	1329	CE2	PHE	1018	45.208	34.708	4.712	1.00 28.34
ATOM	1330	CZ	PHE	1018	44.754	35.064	5.982	1.00 26.60
ATOM	1331	C	PHE	1018	47.179	30.663	6.216	1.00 18.20
ATOM	1332	O	PHE	1018	48.139	31.430	6.228	1.00 15.08
ATOM	1333	N	LEU	1019	46.676	30.122	7.328	1.00 16.94
ATOM	1335	CA	LEU	1019	47.259	30.414	8.654	1.00 19.44
ATOM	1336	CB	LEU	1019	46.673	29.533	9.754	1.00 22.88
ATOM	1337	CG	LEU	1019	45.238	29.773	10.165	1.00 24.41
ATOM	1338	CD1	LEU	1019	44.956	28.916	11.388	1.00 24.01
ATOM	1339	CD2	LEU	1019	45.084	31.277	10.485	1.00 25.61
ATOM	1340	C	LEU	1019	48.736	30.173	8.660	1.00 19.44
ATOM	1341	O	LEU	1019	49.493	30.896	9.316	1.00 18.98
ATOM	1342	N	ALA	1020	49.135	29.076	8.023	1.00 19.45
ATOM	1344	CA	ALA	1020	50.545	28.747	7.961	1.00 22.29
ATOM	1345	CB	ALA	1020	50.748	27.350	7.397	1.00 21.86
ATOM	1346	C	ALA	1020	51.252	29.829	7.115	1.00 26.13
ATOM	1347	O	ALA	1020	52.348	30.257	7.471	1.00 25.25
ATOM	1348	N	SER	1021	50.600	30.323	6.050	1.00 29.72
ATOM	1350	CA	SER	1021	51.194	31.384	5.219	1.00 27.59
ATOM	1351	CB	SER	1021	50.289	31.754	4.026	1.00 23.95

FIG. 7(27)

ATOM	1352	OG	SER	1021	49.252	32.662	4.349	1.00	22.60
ATOM	1354	C	SER	1021	51.469	32.614	6.109	1.00	32.83
ATOM	1355	O	SER	1021	52.570	33.172	6.073	1.00	36.57
ATOM	1356	N	ARG	1022	50.513	32.957	6.981	1.00	31.88
ATOM	1358	CA	ARG	1022	50.645	34.093	7.901	1.00	22.64
ATOM	1359	CB	ARG	1022	49.294	34.483	8.465	1.00	17.89
ATOM	1360	CG	ARG	1022	48.254	34.691	7.420	1.00	17.72
ATOM	1361	CD	ARG	1022	48.648	35.816	6.468	1.00	18.00
ATOM	1362	NE	ARG	1022	49.714	36.666	6.993	1.00	31.94
ATOM	1364	CZ	ARG	1022	49.625	37.980	7.168	1.00	30.72
ATOM	1365	NH1	ARG	1022	50.653	38.644	7.662	1.00	23.85
ATOM	1368	NH2	ARG	1022	48.508	38.620	6.862	1.00	40.00
ATOM	1371	C	ARG	1022	51.563	33.787	9.056	1.00	24.84
ATOM	1372	O	ARG	1022	51.718	34.612	9.960	1.00	23.27
ATOM	1373	N	LYS	1023	52.115	32.576	9.061	1.00	23.84
ATOM	1375	CA	LYS	1023	53.039	32.137	10.094	1.00	23.59
ATOM	1376	CB	LYS	1023	54.237	33.067	10.196	1.00	22.44
ATOM	1377	C	LYS	1023	52.404	31.899	11.456	1.00	25.21
ATOM	1378	O	LYS	1023	53.054	32.024	12.504	1.00	28.54
ATOM	1379	N	CYS	1024	51.164	31.435	11.411	1.00	20.82
ATOM	1381	CA	CYS	1024	50.404	31.114	12.595	1.00	28.12
ATOM	1382	CB	CYS	1024	48.982	31.709	12.472	1.00	30.32
ATOM	1383	SG	CYS	1024	48.936	33.504	12.847	1.00	33.73
ATOM	1384	C	CYS	1024	50.388	29.576	12.729	1.00	32.20
ATOM	1385	O	CYS	1024	50.636	28.882	11.756	1.00	38.70
ATOM	1386	N	ILE	1025	50.167	29.057	13.934	1.00	30.55
ATOM	1388	CA	ILE	1025	50.123	27.619	14.216	1.00	33.60
ATOM	1389	CB	ILE	1025	51.406	27.169	14.970	1.00	36.10
ATOM	1390	CG2	ILE	1025	51.223	25.807	15.619	1.00	38.88
ATOM	1391	CG1	ILE	1025	52.585	27.121	13.988	1.00	38.38
ATOM	1392	CD1	ILE	1025	53.913	27.422	14.604	1.00	34.51
ATOM	1393	C	ILE	1025	48.891	27.526	15.104	1.00	33.66
ATOM	1394	O	ILE	1025	48.751	28.301	16.034	1.00	41.71
ATOM	1395	N	HIS	1026	47.958	26.643	14.797	1.00	31.27
ATOM	1397	CA	HIS	1026	46.742	26.570	15.589	1.00	27.97
ATOM	1398	CB	HIS	1026	45.691	25.745	14.861	1.00	23.43
ATOM	1399	CG	HIS	1026	44.283	26.091	15.229	1.00	30.06
ATOM	1400	CD2	HIS	1026	43.342	26.801	14.560	1.00	33.43
ATOM	1401	ND1	HIS	1026	43.680	25.659	16.393	1.00	24.53

FIG. 7(28)

ATOM	1403	CE1	HIS	1026	42.428	26.085	16.424	1.00	26.31
ATOM	1404	NE2	HIS	1026	42.199	26.781	15.321	1.00	29.05
ATOM	1406	C	HIS	1026	46.901	26.086	17.036	1.00	30.13
ATOM	1407	O	HIS	1026	46.335	26.681	17.955	1.00	37.96
ATOM	1408	N	ARG	1027	47.662	25.024	17.244	1.00	26.58
ATOM	1410	CA	ARG	1027	47.872	24.429	18.583	1.00	31.87
ATOM	1411	CB	ARG	1027	48.235	25.483	19.666	1.00	20.17
ATOM	1412	C	ARG	1027	46.762	23.449	19.055	1.00	31.55
ATOM	1413	O	ARG	1027	47.047	22.477	19.742	1.00	38.11
ATOM	1414	N	ASP	1028	45.528	23.629	18.597	1.00	30.85
ATOM	1416	CA	ASP	1028	44.466	22.698	18.955	1.00	26.34
ATOM	1417	CB	ASP	1028	43.788	23.098	20.248	1.00	32.60
ATOM	1418	CG	ASP	1028	42.847	22.020	20.755	1.00	35.64
ATOM	1419	OD1	ASP	1028	41.692	22.346	21.096	1.00	36.08
ATOM	1420	OD2	ASP	1028	43.267	20.842	20.790	1.00	40.39
ATOM	1421	C	ASP	1028	43.435	22.565	17.841	1.00	26.23
ATOM	1422	O	ASP	1028	42.276	22.926	17.998	1.00	23.40
ATOM	1423	N	LEU	1029	43.884	22.034	16.708	1.00	24.88
ATOM	1425	CA	LEU	1029	43.053	21.842	15.533	1.00	23.16
ATOM	1426	CB	LEU	1029	43.958	21.772	14.299	1.00	18.78
ATOM	1427	CG	LEU	1029	43.221	21.714	12.965	1.00	20.21
ATOM	1428	CD1	LEU	1029	42.349	22.952	12.812	1.00	15.13
ATOM	1429	CD2	LEU	1029	44.249	21.601	11.827	1.00	22.91
ATOM	1430	C	LEU	1029	42.237	20.562	15.700	1.00	25.25
ATOM	1431	O	LEU	1029	42.765	19.473	15.591	1.00	30.47
ATOM	1432	N	ALA	1030	40.949	20.703	15.957	1.00	25.99
ATOM	1434	CA	ALA	1030	40.062	19.574	16.182	1.00	25.19
ATOM	1435	CB	ALA	1030	39.872	19.387	17.679	1.00	24.55
ATOM	1436	C	ALA	1030	38.761	20.007	15.558	1.00	27.35
ATOM	1437	O	ALA	1030	38.611	21.202	15.302	1.00	33.46
ATOM	1438	N	ALA	1031	37.797	19.094	15.379	1.00	25.19
ATOM	1440	CA	ALA	1031	36.508	19.451	14.752	1.00	22.16
ATOM	1441	CB	ALA	1031	35.772	18.210	14.270	1.00	21.71
ATOM	1442	C	ALA	1031	35.551	20.353	15.536	1.00	20.96
ATOM	1443	O	ALA	1031	34.639	20.950	14.944	1.00	21.36
ATOM	1444	N	ARG	1032	35.712	20.388	16.859	1.00	22.49
ATOM	1446	CA	ARG	1032	34.898	21.246	17.736	1.00	27.01
ATOM	1447	CB	ARG	1032	35.157	20.945	19.220	1.00	25.22
ATOM	1448	CG	ARG	1032	36.534	21.451	19.707	1.00	34.44
ATOM	1449	CD	ARG	1032	37.150	20.503	20.770	1.00	46.39

FIG. 7(29)

ATOM	1450	NE	ARG	1032	38.554	20.752	21.158	1.00	41.28
ATOM	1452	CZ	ARG	1032	39.464	19.799	21.352	1.00	32.28
ATOM	1453	NH1	ARG	1032	40.677	20.129	21.709	1.00	27.74
ATOM	1456	NH2	ARG	1032	39.178	18.524	21.148	1.00	31.24
ATOM	1459	C	ARG	1032	35.296	22.708	17.482	1.00	25.91
ATOM	1460	O	ARG	1032	34.601	23.605	17.935	1.00	30.23
ATOM	1461	N	ASN	1033	36.451	22.911	16.840	1.00	20.90
ATOM	1463	CA	ASN	1033	37.008	24.222	16.495	1.00	15.77
ATOM	1464	CB	ASN	1033	38.497	24.290	16.813	1.00	18.29
ATOM	1465	CG	ASN	1033	38.760	24.160	18.254	1.00	20.60
ATOM	1466	OD1	ASN	1033	37.891	24.445	19.067	1.00	29.84
ATOM	1467	ND2	ASN	1033	39.929	23.677	18.601	1.00	18.08
ATOM	1470	C	ASN	1033	36.839	24.535	15.019	1.00	19.29
ATOM	1471	O	ASN	1033	37.619	25.303	14.450	1.00	17.18
ATOM	1472	N	ILE	1034	35.934	23.822	14.366	1.00	17.56
ATOM	1474	CA	ILE	1034	35.631	24.092	12.972	1.00	17.92
ATOM	1475	CB	ILE	1034	35.813	22.868	12.091	1.00	15.66
ATOM	1476	CG2	ILE	1034	35.364	23.192	10.647	1.00	12.61
ATOM	1477	CG1	ILE	1034	37.247	22.349	12.221	1.00	10.08
ATOM	1478	CD1	ILE	1034	38.312	23.384	11.994	1.00	18.10
ATOM	1479	C	ILE	1034	34.147	24.381	13.075	1.00	21.87
ATOM	1480	O	ILE	1034	33.410	23.592	13.669	1.00	26.72
ATOM	1481	N	LEU	1035	33.711	25.524	12.575	1.00	21.91
ATOM	1483	CA	LEU	1035	32.311	25.883	12.670	1.00	19.45
ATOM	1484	CB	LEU	1035	32.190	27.310	13.181	1.00	18.73
ATOM	1485	CG	LEU	1035	32.102	27.454	14.691	1.00	21.53
ATOM	1486	CD1	LEU	1035	33.019	26.518	15.456	1.00	8.66
ATOM	1487	CD2	LEU	1035	32.391	28.881	15.016	1.00	19.34
ATOM	1488	C	LEU	1035	31.700	25.764	11.316	1.00	20.15
ATOM	1489	O	LEU	1035	32.377	25.977	10.310	1.00	21.51
ATOM	1490	N	LEU	1036	30.429	25.390	11.275	1.00	24.13
ATOM	1492	CA	LEU	1036	29.745	25.237	10.006	1.00	26.96
ATOM	1493	CB	LEU	1036	29.027	23.882	9.909	1.00	20.57
ATOM	1494	CG	LEU	1036	28.149	23.631	8.681	1.00	17.23
ATOM	1495	CD1	LEU	1036	28.877	23.617	7.360	1.00	7.53
ATOM	1496	CD2	LEU	1036	27.566	22.306	8.900	1.00	18.85
ATOM	1497	C	LEU	1036	28.827	26.432	9.755	1.00	31.45
ATOM	1498	O	LEU	1036	27.953	26.794	10.557	1.00	29.93
ATOM	1499	N	SER	1037	29.094	27.061	8.628	1.00	34.52
ATOM	1501	CA	SER	1037	28.410	28.248	8.215	1.00	37.11

FIG. 7(30)

ATOM	1502	CB	SER	1037	29.448	29.220	7.632	1.00	41.11
ATOM	1503	OG	SER	1037	28.879	30.439	7.193	1.00	44.80
ATOM	1505	C	SER	1037	27.367	27.890	7.209	1.00	39.39
ATOM	1506	O	SER	1037	27.045	26.735	7.024	1.00	42.14
ATOM	1507	N	GLU	1038	26.884	28.912	6.531	1.00	44.94
ATOM	1509	CA	GLU	1038	25.845	28.806	5.534	1.00	50.37
ATOM	1510	CB	GLU	1038	25.685	30.152	4.792	1.00	56.15
ATOM	1511	CG	GLU	1038	25.599	31.391	5.676	1.00	55.19
ATOM	1512	CD	GLU	1038	24.518	31.270	6.708	1.00	59.42
ATOM	1513	OE1	GLU	1038	23.464	30.637	6.419	1.00	58.62
ATOM	1514	OE2	GLU	1038	24.736	31.806	7.816	1.00	63.52
ATOM	1515	C	GLU	1038	25.954	27.672	4.518	1.00	51.35
ATOM	1516	O	GLU	1038	25.619	26.521	4.816	1.00	57.04
ATOM	1517	N	LYS	1039	26.414	27.997	3.317	1.00	46.28
ATOM	1519	CA	LYS	1039	26.467	27.021	2.251	1.00	43.05
ATOM	1520	CB	LYS	1039	26.455	27.729	0.898	1.00	41.05
ATOM	1521	C	LYS	1039	27.689	26.155	2.401	1.00	44.31
ATOM	1522	O	LYS	1039	28.687	26.358	1.697	1.00	50.06
ATOM	1523	N	ASN	1040	27.611	25.210	3.339	1.00	37.02
ATOM	1525	CA	ASN	1040	28.701	24.283	3.630	1.00	32.65
ATOM	1526	CB	ASN	1040	28.647	23.041	2.761	1.00	31.69
ATOM	1527	CG	ASN	1040	27.641	22.061	3.267	1.00	31.29
ATOM	1528	OD1	ASN	1040	26.740	21.693	2.553	1.00	38.80
ATOM	1529	ND2	ASN	1040	27.749	21.680	4.530	1.00	36.05
ATOM	1532	C	ASN	1040	30.096	24.844	3.656	1.00	28.45
ATOM	1533	O	ASN	1040	31.079	24.162	3.300	1.00	26.00
ATOM	1534	N	VAL	1041	30.174	26.101	4.073	1.00	23.77
ATOM	1536	CA	VAL	1041	31.447	26.739	4.207	1.00	16.56
ATOM	1537	CB	VAL	1041	31.382	28.274	3.940	1.00	16.16
ATOM	1538	CG1	VAL	1041	32.709	28.948	4.315	1.00	8.57
ATOM	1539	CG2	VAL	1041	31.124	28.509	2.470	1.00	6.79
ATOM	1540	C	VAL	1041	31.726	26.382	5.646	1.00	15.50
ATOM	1541	O	VAL	1041	30.825	26.333	6.485	1.00	9.73
ATOM	1542	N	VAL	1042	32.967	26.022	5.883	1.00	18.82
ATOM	1544	CA	VAL	1042	33.431	25.607	7.185	1.00	19.76
ATOM	1545	CB	VAL	1042	33.907	24.110	7.051	1.00	22.19
ATOM	1546	CG1	VAL	1042	35.439	23.993	7.041	1.00	18.66
ATOM	1547	CG2	VAL	1042	33.247	23.242	8.100	1.00	22.95
ATOM	1548	C	VAL	1042	34.580	26.607	7.483	1.00	20.50
ATOM	1549	O	VAL	1042	35.348	26.960	6.575	1.00	17.75

FIG. 7(31)

ATOM	1550	N	LYS	1043	34.675	27.082	8.726	1.00	18.30
ATOM	1552	CA	LYS	1043	35.679	28.070	9.103	1.00	17.43
ATOM	1553	CB	LYS	1043	34.977	29.420	9.277	1.00	17.68
ATOM	1554	CG	LYS	1043	34.202	29.845	8.031	1.00	19.19
ATOM	1555	CD	LYS	1043	33.560	31.228	8.186	1.00	26.86
ATOM	1556	CE	LYS	1043	33.270	31.885	6.820	1.00	18.32
ATOM	1557	NZ	LYS	1043	34.353	32.806	6.425	1.00	22.63
ATOM	1561	C	LYS	1043	36.373	27.687	10.399	1.00	18.35
ATOM	1562	O	LYS	1043	35.709	27.235	11.330	1.00	17.37
ATOM	1563	N	ILE	1044	37.692	27.880	10.461	1.00	17.47
ATOM	1565	CA	ILE	1044	38.504	27.558	11.645	1.00	21.49
ATOM	1566	CB	ILE	1044	40.010	27.390	11.267	1.00	20.48
ATOM	1567	CG2	ILE	1044	40.896	27.250	12.502	1.00	15.75
ATOM	1568	CG1	ILE	1044	40.221	26.237	10.300	1.00	14.66
ATOM	1569	CD1	ILE	1044	41.584	26.344	9.669	1.00	12.76
ATOM	1570	C	ILE	1044	38.432	28.735	12.626	1.00	30.73
ATOM	1571	O	ILE	1044	38.370	29.888	12.207	1.00	31.68
ATOM	1572	N	CYS	1045	38.454	28.436	13.918	1.00	38.50
ATOM	1574	CA	CYS	1045	38.437	29.444	14.968	1.00	48.73
ATOM	1575	CB	CYS	1045	37.027	29.586	15.558	1.00	50.35
ATOM	1576	SG	CYS	1045	36.259	28.069	16.173	1.00	59.69
ATOM	1577	C	CYS	1045	39.473	29.041	16.033	1.00	54.63
ATOM	1578	O	CYS	1045	39.981	27.912	15.986	1.00	54.88
ATOM	1579	N	ASP	1046	39.811	29.954	16.956	1.00	64.20
ATOM	1581	CA	ASP	1046	40.816	29.700	18.021	1.00	69.98
ATOM	1582	CB	ASP	1046	40.454	28.407	18.788	1.00	72.94
ATOM	1583	CG	ASP	1046	41.338	28.165	20.009	1.00	75.40
ATOM	1584	OD1	ASP	1046	40.930	28.584	21.110	1.00	77.66
ATOM	1585	OD2	ASP	1046	42.428	27.547	19.878	1.00	75.18
ATOM	1586	C	ASP	1046	42.219	29.580	17.354	1.00	74.21
ATOM	1587	O	ASP	1046	43.183	29.036	17.940	1.00	74.94
ATOM	1588	N	PHE	1047	42.307	30.205	16.171	1.00	75.46
ATOM	1590	CA	PHE	1047	43.462	30.212	15.245	1.00	71.53
ATOM	1591	CB	PHE	1047	42.919	30.267	13.790	1.00	72.10
ATOM	1592	CG	PHE	1047	41.906	31.381	13.526	1.00	71.34
ATOM	1593	CD1	PHE	1047	42.139	32.327	12.526	1.00	74.26
ATOM	1594	CD2	PHE	1047	40.747	31.501	14.284	1.00	69.46
ATOM	1595	CE1	PHE	1047	41.242	33.367	12.293	1.00	70.87
ATOM	1596	CE2	PHE	1047	39.847	32.533	14.066	1.00	67.97
ATOM	1597	CZ	PHE	1047	40.096	33.467	13.068	1.00	71.41

FIG. 7(32)

ATOM	1598	C	PHE	1047	44.681	31.163	15.426	1.00	67.78
ATOM	1599	O	PHE	1047	44.507	32.345	15.797	1.00	63.26
ATOM	1601	CB	ASP	1064	29.579	17.003	25.123	1.00	69.86
ATOM	1602	CG	ASP	1064	30.534	16.464	24.050	1.00	69.93
ATOM	1603	OD1	ASP	1064	31.028	15.321	24.179	1.00	71.35
ATOM	1604	OD2	ASP	1064	30.776	17.189	23.063	1.00	71.45
ATOM	1605	C	ASP	1064	31.511	17.821	26.539	1.00	64.90
ATOM	1606	O	ASP	1064	31.512	19.029	26.788	1.00	64.09
ATOM	1609	N	ASP	1064	29.229	17.550	27.534	1.00	67.30
ATOM	1611	CA	ASP	1064	30.204	17.019	26.533	1.00	67.58
ATOM	1612	N	ALA	1065	32.617	17.135	26.278	1.00	61.87
ATOM	1614	CA	ALA	1065	33.932	17.759	26.244	1.00	58.06
ATOM	1615	CB	ALA	1065	34.479	17.935	27.650	1.00	56.61
ATOM	1616	C	ALA	1065	34.888	16.915	25.397	1.00	57.97
ATOM	1617	O	ALA	1065	34.491	15.906	24.788	1.00	56.86
ATOM	1618	N	ARG	1066	36.155	17.313	25.400	1.00	54.64
ATOM	1620	CA	ARG	1066	37.182	16.664	24.607	1.00	50.99
ATOM	1621	CB	ARG	1066	37.538	17.539	23.393	1.00	49.53
ATOM	1622	CG	ARG	1066	36.459	17.608	22.335	1.00	52.76
ATOM	1623	CD	ARG	1066	36.866	16.805	21.125	1.00	57.63
ATOM	1624	NE	ARG	1066	35.847	16.645	20.093	1.00	57.02
ATOM	1626	CZ	ARG	1066	35.976	17.033	18.824	1.00	55.63
ATOM	1627	NH1	ARG	1066	34.984	16.797	17.995	1.00	57.63
ATOM	1630	NH2	ARG	1066	37.046	17.691	18.385	1.00	40.52
ATOM	1633	C	ARG	1066	38.428	16.513	25.427	1.00	49.01
ATOM	1634	O	ARG	1066	38.652	17.274	26.364	1.00	46.29
ATOM	1635	N	LEU	1067	39.251	15.546	25.041	1.00	46.48
ATOM	1637	CA	LEU	1067	40.510	15.320	25.709	1.00	45.62
ATOM	1638	CB	LEU	1067	40.703	13.840	26.073	1.00	45.53
ATOM	1639	CG	LEU	1067	41.335	13.519	27.441	1.00	44.07
ATOM	1640	CD1	LEU	1067	42.236	12.322	27.273	1.00	37.52
ATOM	1641	CD2	LEU	1067	42.109	14.710	28.057	1.00	39.60
ATOM	1642	C	LEU	1067	41.530	15.778	24.677	1.00	42.00
ATOM	1643	O	LEU	1067	41.983	15.010	23.832	1.00	41.05
ATOM	1644	N	PRO	1068	41.854	17.072	24.698	1.00	41.22
ATOM	1645	CD	PRO	1068	41.265	18.104	25.584	1.00	34.16
ATOM	1646	CA	PRO	1068	42.817	17.661	23.761	1.00	38.41
ATOM	1647	CB	PRO	1068	42.919	19.104	24.277	1.00	36.08
ATOM	1648	CG	PRO	1068	41.496	19.355	24.828	1.00	29.23
ATOM	1649	C	PRO	1068	44.197	16.961	23.571	1.00	35.36

FIG. 7(33)

ATOM	1650	O	PRO	1068	44.932	17.258	22.623	1.00	37.80
ATOM	1651	N	LEU	1069	44.552	16.040	24.455	1.00	33.98
ATOM	1653	CA	LEU	1069	45.829	15.337	24.333	1.00	35.06
ATOM	1654	CB	LEU	1069	46.092	14.517	25.601	1.00	37.80
ATOM	1655	CG	LEU	1069	47.228	13.497	25.488	1.00	40.67
ATOM	1656	CD1	LEU	1069	48.599	14.156	25.752	1.00	36.35
ATOM	1657	CD2	LEU	1069	46.939	12.333	26.445	1.00	40.75
ATOM	1658	C	LEU	1069	45.776	14.397	23.121	1.00	34.16
ATOM	1659	O	LEU	1069	46.787	14.115	22.461	1.00	32.14
ATOM	1660	N	LYS	1070	44.571	13.916	22.859	1.00	28.95
ATOM	1662	CA	LYS	1070	44.280	13.014	21.765	1.00	28.17
ATOM	1663	CB	LYS	1070	42.828	12.569	21.911	1.00	22.17
ATOM	1664	CG	LYS	1070	42.553	11.730	23.144	1.00	22.02
ATOM	1665	CD	LYS	1070	41.085	11.317	23.107	1.00	24.17
ATOM	1666	CE	LYS	1070	40.851	9.908	23.646	1.00	29.35
ATOM	1667	NZ	LYS	1070	39.444	9.436	23.439	1.00	35.82
ATOM	1671	C	LYS	1070	44.518	13.582	20.340	1.00	29.26
ATOM	1672	O	LYS	1070	44.368	12.867	19.344	1.00	27.81
ATOM	1673	N	TRP	1071	44.862	14.865	20.260	1.00	27.00
ATOM	1675	CA	TRP	1071	45.086	15.550	18.995	1.00	27.37
ATOM	1676	CB	TRP	1071	44.191	16.827	18.882	1.00	20.67
ATOM	1677	CG	TRP	1071	42.724	16.551	18.545	1.00	20.12
ATOM	1678	CD2	TRP	1071	41.685	16.138	19.451	1.00	17.97
ATOM	1679	CE2	TRP	1071	40.524	15.892	18.675	1.00	13.02
ATOM	1680	CE3	TRP	1071	41.628	15.944	20.838	1.00	23.76
ATOM	1681	CD1	TRP	1071	42.153	16.560	17.304	1.00	19.50
ATOM	1682	NE1	TRP	1071	40.834	16.155	17.373	1.00	13.62
ATOM	1684	CZ2	TRP	1071	39.342	15.465	19.233	1.00	16.22
ATOM	1685	CZ3	TRP	1071	40.439	15.511	21.396	1.00	20.67
ATOM	1686	CH2	TRP	1071	39.321	15.273	20.594	1.00	19.47
ATOM	1687	C	TRP	1071	46.523	15.961	18.889	1.00	26.26
ATOM	1688	O	TRP	1071	46.948	16.465	17.842	1.00	28.70
ATOM	1689	N	MET	1072	47.278	15.713	19.959	1.00	24.85
ATOM	1691	CA	MET	1072	48.676	16.119	20.034	1.00	22.67
ATOM	1692	CB	MET	1072	49.066	16.317	21.487	1.00	31.30
ATOM	1693	CG	MET	1072	48.328	17.416	22.229	1.00	34.64
ATOM	1694	SD	MET	1072	48.977	17.610	23.948	1.00	35.65
ATOM	1695	CE	MET	1072	50.667	17.842	23.669	1.00	27.97
ATOM	1696	C	MET	1072	49.697	15.215	19.388	1.00	25.43
ATOM	1697	O	MET	1072	49.798	14.029	19.729	1.00	21.51

FIG. 7(34)

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ATOM  1698  N   ALA 1073      50.545  15.800  18.547  1.00 25.55
ATOM  1700  CA  ALA 1073      51.571  15.024  17.874  1.00 29.80
ATOM  1701  CB  ALA 1073      52.369  15.912  16.958  1.00 22.65
ATOM  1702  C   ALA 1073      52.448  14.453  18.989  1.00 34.88
ATOM  1703  O   ALA 1073      52.431  14.970  20.115  1.00 39.38
ATOM  1704  N   PRO 1074      53.183  13.355  18.724  1.00 36.01
ATOM  1705  CD  PRO 1074      53.087  12.450  17.570  1.00 31.55
ATOM  1706  CA  PRO 1074      54.040  12.771  19.769  1.00 36.24
ATOM  1707  CB  PRO 1074      54.544  11.485  19.115  1.00 34.34
ATOM  1708  CG  PRO 1074      53.415  11.137  18.193  1.00 31.88
ATOM  1709  C   PRO 1074      55.189  13.670  20.288  1.00 37.13
ATOM  1710  O   PRO 1074      55.570  13.575  21.447  1.00 34.58
ATOM  1711  N   GLU 1075      55.746  14.533  19.440  1.00 37.40
ATOM  1713  CA  GLU 1075      56.813  15.422  19.884  1.00 40.62
ATOM  1714  CB  GLU 1075      57.598  15.990  18.707  1.00 33.55
ATOM  1715  CG  GLU 1075      56.853  16.957  17.844  1.00 39.40
ATOM  1716  CD  GLU 1075      55.952  16.300  16.828  1.00 43.14
ATOM  1717  OE1 GLU 1075      55.965  15.055  16.720  1.00 49.09
ATOM  1718  OE2 GLU 1075      55.228  17.040  16.124  1.00 44.63
ATOM  1719  C   GLU 1075      56.239  16.546  20.757  1.00 42.73
ATOM  1720  O   GLU 1075      56.903  17.061  21.639  1.00 44.76
ATOM  1721  N   THR 1076      54.982  16.888  20.524  1.00 46.13
ATOM  1723  CA  THR 1076      54.304  17.923  21.283  1.00 46.22
ATOM  1724  CB  THR 1076      52.991  18.319  20.605  1.00 43.95
ATOM  1725  OG1 THR 1076      53.245  18.666  19.230  1.00 46.46
ATOM  1727  CG2 THR 1076      52.361  19.481  21.334  1.00 43.93
ATOM  1728  C   THR 1076      53.991  17.378  22.662  1.00 47.62
ATOM  1729  O   THR 1076      54.175  18.057  23.650  1.00 52.45
ATOM  1730  N   ILE 1077      53.442  16.173  22.717  1.00 47.96
ATOM  1732  CA  ILE 1077      53.123  15.528  23.980  1.00 46.99
ATOM  1733  CB  ILE 1077      52.496  14.151  23.720  1.00 46.43
ATOM  1734  CG2 ILE 1077      52.691  13.232  24.895  1.00 46.16
ATOM  1735  CG1 ILE 1077      51.024  14.306  23.384  1.00 44.29
ATOM  1736  CD1 ILE 1077      50.336  13.010  23.163  1.00 46.43
ATOM  1737  C   ILE 1077      54.418  15.345  24.767  1.00 51.37
ATOM  1738  O   ILE 1077      54.473  15.577  25.974  1.00 52.53
ATOM  1739  N   PHE 1078      55.458  14.931  24.058  1.00 53.41
ATOM  1741  CA  PHE 1078      56.750  14.696  24.672  1.00 58.94
ATOM  1742  CB  PHE 1078      57.506  13.570  23.925  1.00 60.74
ATOM  1743  CG  PHE 1078      56.901  12.184  24.124  1.00 57.84
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FIG. 7(35)

ATOM	1744	CD1	PHE	1078	56.068	11.612	23.169	1.00	54.09
ATOM	1745	CD2	PHE	1078	57.127	11.483	25.298	1.00	58.64
ATOM	1746	CE1	PHE	1078	55.478	10.380	23.381	1.00	53.82
ATOM	1747	CE2	PHE	1078	56.539	10.254	25.514	1.00	57.20
ATOM	1748	CZ	PHE	1078	55.711	9.703	24.555	1.00	55.07
ATOM	1749	C	PHE	1078	57.574	15.981	24.767	1.00	63.98
ATOM	1750	O	PHE	1078	57.433	16.738	25.736	1.00	67.06
ATOM	1751	N	ASP	1079	58.356	16.274	23.724	1.00	66.97
ATOM	1753	CA	ASP	1079	59.215	17.472	23.678	1.00	68.09
ATOM	1754	CB	ASP	1079	60.225	17.402	22.501	1.00	66.89
ATOM	1755	CG	ASP	1079	60.174	16.082	21.714	1.00	69.02
ATOM	1756	OD1	ASP	1079	60.254	16.156	20.474	1.00	71.23
ATOM	1757	OD2	ASP	1079	60.089	14.980	22.308	1.00	69.71
ATOM	1758	C	ASP	1079	58.434	18.806	23.599	1.00	67.74
ATOM	1759	O	ASP	1079	59.011	19.848	23.266	1.00	66.85
ATOM	1760	N	ARG	1080	57.137	18.747	23.926	1.00	68.20
ATOM	1762	CA	ARG	1080	56.173	19.858	23.898	1.00	66.60
ATOM	1763	CB	ARG	1080	55.997	20.496	25.279	1.00	67.64
ATOM	1764	CG	ARG	1080	54.529	20.758	25.638	1.00	71.26
ATOM	1765	CD	ARG	1080	53.823	19.481	26.096	1.00	73.66
ATOM	1766	NE	ARG	1080	52.364	19.610	26.226	1.00	75.75
ATOM	1768	CZ	ARG	1080	51.642	18.981	27.157	1.00	74.86
ATOM	1769	NH1	ARG	1080	50.321	19.134	27.211	1.00	69.96
ATOM	1772	NH2	ARG	1080	52.247	18.212	28.060	1.00	72.78
ATOM	1775	C	ARG	1080	56.305	20.920	22.801	1.00	63.93
ATOM	1776	O	ARG	1080	55.861	22.069	22.955	1.00	61.93
ATOM	1777	N	VAL	1081	56.863	20.510	21.667	1.00	61.30
ATOM	1779	CA	VAL	1081	57.034	21.413	20.545	1.00	58.53
ATOM	1780	CB	VAL	1081	58.202	20.951	19.584	1.00	60.54
ATOM	1781	CG1	VAL	1081	59.304	20.266	20.370	1.00	62.35
ATOM	1782	CG2	VAL	1081	57.701	20.043	18.455	1.00	55.04
ATOM	1783	C	VAL	1081	55.713	21.481	19.771	1.00	56.90
ATOM	1784	O	VAL	1081	55.052	20.452	19.560	1.00	57.43
ATOM	1785	N	TYR	1082	55.287	22.699	19.435	1.00	51.51
ATOM	1787	CA	TYR	1082	54.078	22.909	18.641	1.00	41.08
ATOM	1788	CB	TYR	1082	53.092	23.847	19.332	1.00	37.59
ATOM	1789	CG	TYR	1082	52.275	23.238	20.442	1.00	32.41
ATOM	1790	CD1	TYR	1082	52.800	23.135	21.721	1.00	38.13
ATOM	1791	CE1	TYR	1082	52.043	22.663	22.781	1.00	38.73
ATOM	1792	CD2	TYR	1082	50.961	22.843	20.234	1.00	27.91

FIG. 7(34)

ATOM	1698	N	ALA	1073	50.545	15.800	18.547	1.00	25.55
ATOM	1700	CA	ALA	1073	51.571	15.024	17.874	1.00	29.80
ATOM	1701	CB	ALA	1073	52.369	15.912	16.958	1.00	22.65
ATOM	1702	C	ALA	1073	52.448	14.453	18.989	1.00	34.88
ATOM	1703	O	ALA	1073	52.431	14.970	20.115	1.00	39.38
ATOM	1704	N	PRO	1074	53.183	13.355	18.724	1.00	36.01
ATOM	1705	CD	PRO	1074	53.087	12.450	17.570	1.00	31.55
ATOM	1706	CA	PRO	1074	54.040	12.771	19.769	1.00	36.24
ATOM	1707	CB	PRO	1074	54.544	11.485	19.115	1.00	34.34
ATOM	1708	CG	PRO	1074	53.415	11.137	18.193	1.00	31.88
ATOM	1709	C	PRO	1074	55.189	13.670	20.288	1.00	37.13
ATOM	1710	O	PRO	1074	55.570	13.575	21.447	1.00	34.58
ATOM	1711	N	GLU	1075	55.746	14.533	19.440	1.00	37.40
ATOM	1713	CA	GLU	1075	56.813	15.422	19.884	1.00	40.62
ATOM	1714	CB	GLU	1075	57.598	15.990	18.707	1.00	33.55
ATOM	1715	CG	GLU	1075	56.853	16.957	17.844	1.00	39.40
ATOM	1716	CD	GLU	1075	55.952	16.300	16.828	1.00	43.14
ATOM	1717	OE1	GLU	1075	55.965	15.055	16.720	1.00	49.09
ATOM	1718	OE2	GLU	1075	55.228	17.040	16.124	1.00	44.63
ATOM	1719	C	GLU	1075	56.239	16.546	20.757	1.00	42.73
ATOM	1720	O	GLU	1075	56.903	17.061	21.639	1.00	44.76
ATOM	1721	N	THR	1076	54.982	16.888	20.524	1.00	46.13
ATOM	1723	CA	THR	1076	54.304	17.923	21.283	1.00	46.22
ATOM	1724	CB	THR	1076	52.991	18.319	20.605	1.00	43.95
ATOM	1725	OG1	THR	1076	53.245	18.666	19.230	1.00	46.46
ATOM	1727	CG2	THR	1076	52.361	19.481	21.334	1.00	43.93
ATOM	1728	C	THR	1076	53.991	17.378	22.662	1.00	47.62
ATOM	1729	O	THR	1076	54.175	18.057	23.650	1.00	52.45
ATOM	1730	N	ILE	1077	53.442	16.173	22.717	1.00	47.96
ATOM	1732	CA	ILE	1077	53.123	15.528	23.980	1.00	46.99
ATOM	1733	CB	ILE	1077	52.496	14.151	23.720	1.00	46.43
ATOM	1734	CG2	ILE	1077	52.691	13.232	24.895	1.00	46.16
ATOM	1735	CG1	ILE	1077	51.024	14.306	23.384	1.00	44.29
ATOM	1736	CD1	ILE	1077	50.336	13.010	23.163	1.00	46.43
ATOM	1737	C	ILE	1077	54.418	15.345	24.767	1.00	51.37
ATOM	1738	O	ILE	1077	54.473	15.577	25.974	1.00	52.53
ATOM	1739	N	PHE	1078	55.458	14.931	24.058	1.00	53.41
ATOM	1741	CA	PHE	1078	56.750	14.696	24.672	1.00	58.94
ATOM	1742	CB	PHE	1078	57.506	13.570	23.925	1.00	60.74
ATOM	1743	CG	PHE	1078	56.901	12.184	24.124	1.00	57.84

FIG. 7(35)

ATOM	1744	CD1	PHE	1078	56.068	11.612	23.169	1.00	54.09
ATOM	1745	CD2	PHE	1078	57.127	11.483	25.298	1.00	58.64
ATOM	1746	CE1	PHE	1078	55.478	10.380	23.381	1.00	53.82
ATOM	1747	CE2	PHE	1078	56.539	10.254	25.514	1.00	57.20
ATOM	1748	CZ	PHE	1078	55.711	9.703	24.555	1.00	55.07
ATOM	1749	C	PHE	1078	57.574	15.981	24.767	1.00	63.98
ATOM	1750	O	PHE	1078	57.433	16.738	25.736	1.00	67.06
ATOM	1751	N	ASP	1079	58.356	16.274	23.724	1.00	66.97
ATOM	1753	CA	ASP	1079	59.215	17.472	23.678	1.00	68.09
ATOM	1754	CB	ASP	1079	60.225	17.402	22.501	1.00	66.89
ATOM	1755	CG	ASP	1079	60.174	16.082	21.714	1.00	69.02
ATOM	1756	OD1	ASP	1079	60.254	16.156	20.474	1.00	71.23
ATOM	1757	OD2	ASP	1079	60.089	14.980	22.308	1.00	69.71
ATOM	1758	C	ASP	1079	58.434	18.806	23.599	1.00	67.74
ATOM	1759	O	ASP	1079	59.011	19.848	23.266	1.00	66.85
ATOM	1760	N	ARG	1080	57.137	18.747	23.926	1.00	68.20
ATOM	1762	CA	ARG	1080	56.173	19.858	23.898	1.00	66.60
ATOM	1763	CB	ARG	1080	55.997	20.496	25.279	1.00	67.64
ATOM	1764	CG	ARG	1080	54.529	20.758	25.638	1.00	71.26
ATOM	1765	CD	ARG	1080	53.823	19.481	26.096	1.00	73.66
ATOM	1766	NE	ARG	1080	52.364	19.610	26.226	1.00	75.75
ATOM	1768	CZ	ARG	1080	51.642	18.981	27.157	1.00	74.86
ATOM	1769	NH1	ARG	1080	50.321	19.134	27.211	1.00	69.96
ATOM	1772	NH2	ARG	1080	52.247	18.212	28.060	1.00	72.78
ATOM	1775	C	ARG	1080	56.305	20.920	22.801	1.00	63.93
ATOM	1776	O	ARG	1080	55.861	22.069	22.955	1.00	61.93
ATOM	1777	N	VAL	1081	56.863	20.510	21.667	1.00	61.30
ATOM	1779	CA	VAL	1081	57.034	21.413	20.545	1.00	58.53
ATOM	1780	CB	VAL	1081	58.202	20.951	19.584	1.00	60.54
ATOM	1781	CG1	VAL	1081	59.304	20.266	20.370	1.00	62.35
ATOM	1782	CG2	VAL	1081	57.701	20.043	18.455	1.00	55.04
ATOM	1783	C	VAL	1081	55.713	21.481	19.771	1.00	56.90
ATOM	1784	O	VAL	1081	55.052	20.452	19.560	1.00	57.43
ATOM	1785	N	TYR	1082	55.287	22.699	19.435	1.00	51.51
ATOM	1787	CA	TYR	1082	54.078	22.909	18.641	1.00	41.08
ATOM	1788	CB	TYR	1082	53.092	23.847	19.332	1.00	37.59
ATOM	1789	CG	TYR	1082	52.275	23.238	20.442	1.00	32.41
ATOM	1790	CD1	TYR	1082	52.800	23.135	21.721	1.00	38.13
ATOM	1791	CE1	TYR	1082	52.043	22.663	22.781	1.00	38.73
ATOM	1792	CD2	TYR	1082	50.961	22.843	20.234	1.00	27.91

FIG. 7(36)

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ATOM  1793  CE2 TYR  1082      50.189  22.374  21.287  1.00 33.59
ATOM  1794  CZ  TYR  1082      50.739  22.290  22.572  1.00 36.82
ATOM  1795  OH  TYR  1082      50.001  21.874  23.679  1.00 39.60
ATOM  1797  C   TYR  1082      54.591  23.598  17.410  1.00 34.81
ATOM  1798  O   TYR  1082      55.240  24.608  17.545  1.00 33.62
ATOM  1799  N   THR  1083      54.394  22.997  16.236  1.00 34.71
ATOM  1801  CA  THR  1083      54.819  23.573  14.946  1.00 30.90
ATOM  1802  CB  THR  1083      56.106  22.894  14.384  1.00 29.46
ATOM  1803  OG1 THR  1083      55.789  21.598  13.837  1.00 30.18
ATOM  1805  CG2 THR  1083      57.159  22.768  15.486  1.00 21.74
ATOM  1806  C   THR  1083      53.678  23.371  13.946  1.00 27.79
ATOM  1807  O   THR  1083      52.651  22.777  14.293  1.00 28.80
ATOM  1808  N   ILE  1084      53.804  23.869  12.721  1.00 24.37
ATOM  1810  CA  ILE  1084      52.700  23.615  11.797  1.00 27.69
ATOM  1811  CB  ILE  1084      52.739  24.381  10.465  1.00 28.65
ATOM  1812  CG2 ILE  1084      51.450  25.166  10.284  1.00 29.19
ATOM  1813  CG1 ILE  1084      53.977  25.259  10.361  1.00 37.75
ATOM  1814  CD1 ILE  1084      55.235  24.517   9.985  1.00 46.61
ATOM  1815  C   ILE  1084      52.689  22.143  11.459  1.00 26.44
ATOM  1816  O   ILE  1084      51.627  21.589  11.173  1.00 24.29
ATOM  1817  N   GLN  1085      53.861  21.507  11.518  1.00 25.11
ATOM  1819  CA  GLN  1085      53.920  20.097  11.188  1.00 24.39
ATOM  1820  CB  GLN  1085      55.315  19.612  10.823  1.00 27.61
ATOM  1821  CG  GLN  1085      55.753  20.012   9.411  1.00 33.25
ATOM  1822  CD  GLN  1085      54.653  19.826   8.347  1.00 34.07
ATOM  1823  OE1 GLN  1085      53.943  20.779   8.004  1.00 41.60
ATOM  1824  NE2 GLN  1085      54.546  18.632   7.797  1.00 28.88
ATOM  1827  C   GLN  1085      53.296  19.267  12.258  1.00 23.23
ATOM  1828  O   GLN  1085      52.900  18.141  11.981  1.00 25.97
ATOM  1829  N   SER  1086      53.195  19.798  13.480  1.00 20.86
ATOM  1831  CA  SER  1086      52.488  19.040  14.507  1.00 18.08
ATOM  1832  CB  SER  1086      53.044  19.256  15.926  1.00 20.91
ATOM  1833  OG  SER  1086      52.870  20.559  16.440  1.00 21.60
ATOM  1835  C   SER  1086      50.962  19.336  14.353  1.00 20.67
ATOM  1836  O   SER  1086      50.138  18.531  14.806  1.00 13.79
ATOM  1837  N   ASP  1087      50.602  20.415  13.609  1.00 18.68
ATOM  1839  CA  ASP  1087      49.190  20.793  13.324  1.00 11.08
ATOM  1840  CB  ASP  1087      49.038  22.249  12.805  1.00 21.08
ATOM  1841  CG  ASP  1087      48.845  23.287  13.920  1.00 23.79
ATOM  1842  OD1 ASP  1087      49.348  24.407  13.745  1.00 31.01
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FIG. 7(37)

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ATOM  1843 OD2 ASP 1087      48.212  23.013  14.967  1.00 28.91
ATOM  1844 C   ASP 1087      48.632  19.860  12.261  1.00 11.16
ATOM  1845 O   ASP 1087      47.406  19.640  12.177  1.00 12.65
ATOM  1846 N   VAL 1088      49.520  19.390  11.390  1.00  9.61
ATOM  1848 CA  VAL 1088      49.181  18.404  10.345  1.00 13.37
ATOM  1849 CB  VAL 1088      50.351  18.195   9.389  1.00 15.40
ATOM  1850 CG1 VAL 1088      50.057  17.067   8.486  1.00 14.68
ATOM  1851 CG2 VAL 1088      50.609  19.477   8.587  1.00 10.67
ATOM  1852 C   VAL 1088      48.839  17.061  11.014  1.00 13.67
ATOM  1853 O   VAL 1088      47.897  16.387  10.618  1.00 15.00
ATOM  1854 N   TRP 1089      49.618  16.668  12.015  1.00 12.30
ATOM  1856 CA  TRP 1089      49.301  15.460  12.748  1.00 12.96
ATOM  1857 CB  TRP 1089      50.236  15.279  13.960  1.00 16.98
ATOM  1858 CG  TRP 1089      49.764  14.195  14.887  1.00 18.14
ATOM  1859 CD2 TRP 1089      50.325  12.884  15.031  1.00 18.48
ATOM  1860 CE2 TRP 1089      49.476  12.162  15.893  1.00 20.05
ATOM  1861 CE3 TRP 1089      51.460  12.245  14.503  1.00 22.61
ATOM  1862 CD1 TRP 1089      48.640  14.215  15.657  1.00 18.89
ATOM  1863 NE1 TRP 1089      48.451  12.995  16.255  1.00 19.54
ATOM  1865 CZ2 TRP 1089      49.725  10.839  16.249  1.00 20.08
ATOM  1866 CZ3 TRP 1089      51.709  10.927  14.855  1.00 17.00
ATOM  1867 CH2 TRP 1089      50.846  10.243  15.722  1.00 23.71
ATOM  1868 C   TRP 1089      47.873  15.711  13.207  1.00 14.68
ATOM  1869 O   TRP 1089      46.987  14.958  12.842  1.00 20.33
ATOM  1870 N   SER 1090      47.636  16.823  13.923  1.00 18.59
ATOM  1872 CA  SER 1090      46.287  17.209  14.413  1.00 15.54
ATOM  1873 CB  SER 1090      46.297  18.603  15.043  1.00 12.20
ATOM  1874 OG  SER 1090      47.066  18.621  16.237  1.00 18.86
ATOM  1876 C   SER 1090      45.256  17.190  13.309  1.00 16.50
ATOM  1877 O   SER 1090      44.128  16.691  13.487  1.00 18.14
ATOM  1878 N   PHE 1091      45.635  17.745  12.158  1.00 23.35
ATOM  1880 CA  PHE 1091      44.746  17.776  10.997  1.00 20.78
ATOM  1881 CB  PHE 1091      45.445  18.399   9.786  1.00 17.07
ATOM  1882 CG  PHE 1091      44.533  18.524   8.598  1.00 21.98
ATOM  1883 CD1 PHE 1091      43.396  19.347   8.666  1.00 17.34
ATOM  1884 CD2 PHE 1091      44.740  17.754   7.460  1.00 19.42
ATOM  1885 CE1 PHE 1091      42.485  19.398   7.641  1.00 15.43
ATOM  1886 CE2 PHE 1091      43.829  17.792   6.421  1.00 18.06
ATOM  1887 CZ  PHE 1091      42.693  18.618   6.509  1.00 19.76
ATOM  1888 C   PHE 1091      44.306  16.332  10.667  1.00 17.25
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FIG. 7(38)

ATOM	1889	O	PHE	1091	43.147	16.077	10.334	1.00	15.79
ATOM	1890	N	GLY	1092	45.258	15.408	10.812	1.00	19.49
ATOM	1892	CA	GLY	1092	45.042	13.988	10.577	1.00	18.11
ATOM	1893	C	GLY	1092	44.029	13.429	11.544	1.00	19.35
ATOM	1894	O	GLY	1092	43.235	12.581	11.137	1.00	24.23
ATOM	1895	N	VAL	1093	44.073	13.836	12.819	1.00	18.53
ATOM	1897	CA	VAL	1093	43.055	13.392	13.788	1.00	20.09
ATOM	1898	CB	VAL	1093	43.389	13.752	15.298	1.00	15.18
ATOM	1899	CG1	VAL	1093	42.421	13.051	16.187	1.00	17.08
ATOM	1900	CG2	VAL	1093	44.778	13.310	15.698	1.00	11.27
ATOM	1901	C	VAL	1093	41.661	13.971	13.376	1.00	22.42
ATOM	1902	O	VAL	1093	40.649	13.253	13.396	1.00	26.19
ATOM	1903	N	LEU	1094	41.618	15.235	12.938	1.00	23.95
ATOM	1905	CA	LEU	1094	40.363	15.893	12.484	1.00	19.63
ATOM	1906	CB	LEU	1094	40.667	17.338	12.050	1.00	25.24
ATOM	1907	CG	LEU	1094	39.587	18.420	11.974	1.00	27.30
ATOM	1908	CD1	LEU	1094	40.136	19.497	11.113	1.00	28.26
ATOM	1909	CD2	LEU	1094	38.265	17.929	11.385	1.00	27.54
ATOM	1910	C	LEU	1094	39.775	15.146	11.280	1.00	16.12
ATOM	1911	O	LEU	1094	38.555	15.002	11.129	1.00	16.14
ATOM	1912	N	LEU	1095	40.631	14.766	10.348	1.00	16.30
ATOM	1914	CA	LEU	1095	40.155	14.003	9.195	1.00	17.98
ATOM	1915	CB	LEU	1095	41.321	13.538	8.317	1.00	16.52
ATOM	1916	CG	LEU	1095	41.981	14.536	7.386	1.00	14.88
ATOM	1917	CD1	LEU	1095	42.807	13.734	6.399	1.00	11.81
ATOM	1918	CD2	LEU	1095	40.931	15.401	6.639	1.00	21.08
ATOM	1919	C	LEU	1095	39.437	12.770	9.722	1.00	17.52
ATOM	1920	O	LEU	1095	38.324	12.448	9.270	1.00	16.23
ATOM	1921	N	TRP	1096	40.077	12.105	10.697	1.00	14.50
ATOM	1923	CA	TRP	1096	39.509	10.916	11.304	1.00	14.02
ATOM	1924	CB	TRP	1096	40.452	10.330	12.337	1.00	13.21
ATOM	1925	CG	TRP	1096	40.010	8.992	12.850	1.00	18.93
ATOM	1926	CD2	TRP	1096	39.016	8.732	13.856	1.00	24.77
ATOM	1927	CE2	TRP	1096	38.952	7.319	14.020	1.00	27.07
ATOM	1928	CE3	TRP	1096	38.178	9.546	14.647	1.00	29.39
ATOM	1929	CD1	TRP	1096	40.483	7.781	12.460	1.00	21.28
ATOM	1930	NE1	TRP	1096	39.854	6.770	13.154	1.00	18.61
ATOM	1932	CZ2	TRP	1096	38.075	6.700	14.954	1.00	28.21
ATOM	1933	CZ3	TRP	1096	37.303	8.927	15.581	1.00	29.42
ATOM	1934	CH2	TRP	1096	37.266	7.511	15.719	1.00	27.60

FIG. 7(39)

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ATOM  1935  C   TRP  1096      38.159  11.236  11.927  1.00 18.94
ATOM  1936  O   TRP  1096      37.212  10.439  11.826  1.00 22.31
ATOM  1937  N   GLU  1097      38.046  12.385  12.592  1.00 23.97
ATOM  1939  CA  GLU  1097      36.754  12.750  13.195  1.00 21.61
ATOM  1940  CB  GLU  1097      36.823  14.012  14.041  1.00 26.60
ATOM  1941  CG  GLU  1097      37.880  14.065  15.109  1.00 21.55
ATOM  1942  CD  GLU  1097      37.795  15.380  15.800  1.00 23.56
ATOM  1943  OE1 GLU  1097      36.726  15.591  16.393  1.00 21.97
ATOM  1944  OE2 GLU  1097      38.741  16.208  15.706  1.00 20.79
ATOM  1945  C   GLU  1097      35.744  13.010  12.116  1.00 19.15
ATOM  1946  O   GLU  1097      34.549  12.766  12.304  1.00 28.35
ATOM  1947  N   ILE  1098      36.190  13.565  11.001  1.00 17.99
ATOM  1949  CA  ILE  1098      35.244  13.821   9.915  1.00 17.98
ATOM  1950  CB  ILE  1098      35.862  14.650   8.732  1.00 13.59
ATOM  1951  CG2 ILE  1098      34.880  14.725   7.568  1.00 13.47
ATOM  1952  CG1 ILE  1098      36.169  16.074   9.181  1.00 11.46
ATOM  1953  CD1 ILE  1098      36.691  16.960   8.074  1.00  9.72
ATOM  1954  C   ILE  1098      34.645  12.529   9.372  1.00 16.07
ATOM  1955  O   ILE  1098      33.444  12.445   9.171  1.00 18.22
ATOM  1956  N   PHE  1099      35.460  11.499   9.171  1.00 20.11
ATOM  1958  CA  PHE  1099      34.925  10.257   8.601  1.00 18.95
ATOM  1959  CB  PHE  1099      35.909   9.660   7.625  1.00 16.86
ATOM  1960  CG  PHE  1099      36.269  10.584   6.517  1.00 12.61
ATOM  1961  CD1 PHE  1099      37.308  11.468   6.671  1.00 14.37
ATOM  1962  CD2 PHE  1099      35.522  10.624   5.362  1.00 18.03
ATOM  1963  CE1 PHE  1099      37.595  12.369   5.717  1.00 13.66
ATOM  1964  CE2 PHE  1099      35.811  11.553   4.378  1.00 16.05
ATOM  1965  CZ  PHE  1099      36.843  12.418   4.568  1.00 17.86
ATOM  1966  C   PHE  1099      34.368   9.201   9.551  1.00 23.18
ATOM  1967  O   PHE  1099      34.111   8.070   9.149  1.00 22.90
ATOM  1968  N   SER  1100      34.274   9.553  10.825  1.00 26.68
ATOM  1970  CA  SER  1100      33.652   8.690  11.820  1.00 24.51
ATOM  1971  CB  SER  1100      34.504   8.572  13.079  1.00 25.60
ATOM  1972  OG  SER  1100      34.826   9.842  13.625  1.00 29.76
ATOM  1974  C   SER  1100      32.398   9.465  12.145  1.00 26.92
ATOM  1975  O   SER  1100      31.765   9.211  13.157  1.00 31.32
ATOM  1976  N   LEU  1101      32.018  10.387  11.251  1.00 28.15
ATOM  1978  CA  LEU  1101      30.860  11.241  11.453  1.00 24.97
ATOM  1979  CB  LEU  1101      29.556  10.557  11.015  1.00 22.00
ATOM  1980  CG  LEU  1101      29.423  10.410   9.495  1.00 25.66
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FIG. 7(40)

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ATOM  1981  CD1 LEU 1101      28.060   9.866   9.127  1.00 22.23
ATOM  1982  CD2 LEU 1101      29.632  11.768   8.829  1.00 32.30
ATOM  1983  C   LEU 1101      30.771  11.779  12.888  1.00 26.64
ATOM  1984  O   LEU 1101      29.793  11.552  13.580  1.00 31.34
ATOM  1985  N   GLY 1102      31.828  12.446  13.336  1.00 24.93
ATOM  1987  CA  GLY 1102      31.836  13.057  14.650  1.00 28.61
ATOM  1988  C   GLY 1102      32.129  12.293  15.917  1.00 32.38
ATOM  1989  O   GLY 1102      31.647  12.693  16.950  1.00 35.69
ATOM  1990  N   ALA 1103      33.004  11.291  15.876  1.00 35.95
ATOM  1992  CA  ALA 1103      33.354  10.500  17.060  1.00 31.27
ATOM  1993  CB  ALA 1103      33.515   9.041  16.672  1.00 36.15
ATOM  1994  C   ALA 1103      34.625  10.972  17.747  1.00 34.29
ATOM  1995  O   ALA 1103      35.382  11.788  17.190  1.00 36.92
ATOM  1996  N   SER 1104      34.886  10.417  18.934  1.00 33.11
ATOM  1998  CA  SER 1104      36.087  10.744  19.715  1.00 35.13
ATOM  1999  CB  SER 1104      35.906  10.422  21.207  1.00 38.40
ATOM  2000  OG  SER 1104      34.719  10.964  21.765  1.00 50.36
ATOM  2002  C   SER 1104      37.216   9.852  19.249  1.00 34.54
ATOM  2003  O   SER 1104      37.039   8.640  19.167  1.00 33.44
ATOM  2004  N   PRO 1105      38.395  10.434  18.963  1.00 32.93
ATOM  2005  CD  PRO 1105      38.678  11.877  18.972  1.00 31.54
ATOM  2006  CA  PRO 1105      39.571   9.693  18.513  1.00 29.88
ATOM  2007  CB  PRO 1105      40.633  10.781  18.465  1.00 22.24
ATOM  2008  CG  PRO 1105      39.883  11.965  18.079  1.00 28.04
ATOM  2009  C   PRO 1105      39.919   8.659  19.582  1.00 32.54
ATOM  2010  O   PRO 1105      39.480   8.795  20.731  1.00 28.79
ATOM  2011  N   TYR 1106      40.700   7.648  19.196  1.00 34.52
ATOM  2013  CA  TYR 1106      41.148   6.564  20.085  1.00 39.62
ATOM  2014  CB  TYR 1106      42.374   6.994  20.896  1.00 37.66
ATOM  2015  CG  TYR 1106      43.496   7.566  20.059  1.00 39.50
ATOM  2016  CD1 TYR 1106      43.690   8.957  19.976  1.00 37.50
ATOM  2017  CE1 TYR 1106      44.655   9.518  19.143  1.00 35.61
ATOM  2018  CD2 TYR 1106      44.315   6.739  19.293  1.00 34.54
ATOM  2019  CE2 TYR 1106      45.305   7.290  18.446  1.00 38.80
ATOM  2020  CZ  TYR 1106      45.466   8.686  18.373  1.00 38.23
ATOM  2021  OH  TYR 1106      46.412   9.240  17.520  1.00 31.37
ATOM  2023  C   TYR 1106      40.022   6.128  21.016  1.00 47.24
ATOM  2024  O   TYR 1106      40.100   6.296  22.247  1.00 46.94
ATOM  2025  N   PRO 1107      38.947   5.570  20.431  1.00 52.30
ATOM  2026  CD  PRO 1107      38.880   5.234  18.996  1.00 52.76
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FIG. 7(41)

ATOM	2027	CA	PRO	1107	37.750	5.088	21.125	1.00	55.67
ATOM	2028	CB	PRO	1107	37.078	4.223	20.066	1.00	55.09
ATOM	2029	CG	PRO	1107	37.420	4.931	18.797	1.00	52.62
ATOM	2030	C	PRO	1107	38.035	4.300	22.408	1.00	60.55
ATOM	2031	O	PRO	1107	38.668	3.231	22.377	1.00	60.88
ATOM	2032	N	GLY	1108	37.631	4.894	23.533	1.00	62.85
ATOM	2034	CA	GLY	1108	37.790	4.284	24.845	1.00	63.10
ATOM	2035	C	GLY	1108	39.171	3.783	25.228	1.00	61.44
ATOM	2036	O	GLY	1108	39.319	3.010	26.178	1.00	63.49
ATOM	2037	N	VAL	1109	40.181	4.228	24.498	1.00	58.31
ATOM	2039	CA	VAL	1109	41.548	3.835	24.766	1.00	55.54
ATOM	2040	CB	VAL	1109	42.430	4.181	23.580	1.00	54.11
ATOM	2041	CG1	VAL	1109	43.857	3.787	23.857	1.00	51.33
ATOM	2042	CG2	VAL	1109	41.875	3.528	22.306	1.00	54.09
ATOM	2043	C	VAL	1109	42.006	4.657	25.949	1.00	57.04
ATOM	2044	O	VAL	1109	41.492	5.749	26.163	1.00	57.18
ATOM	2045	N	LYS	1110	42.969	4.140	26.711	1.00	59.43
ATOM	2047	CA	LYS	1110	43.497	4.849	27.880	1.00	60.27
ATOM	2048	CB	LYS	1110	43.928	3.842	28.936	1.00	63.70
ATOM	2049	C	LYS	1110	44.664	5.796	27.538	1.00	60.52
ATOM	2050	O	LYS	1110	45.570	5.410	26.780	1.00	61.06
ATOM	2051	N	ILE	1111	44.665	7.006	28.115	1.00	58.79
ATOM	2053	CA	ILE	1111	45.732	7.987	27.859	1.00	60.01
ATOM	2054	CB	ILE	1111	45.236	9.441	27.886	1.00	63.41
ATOM	2055	CG2	ILE	1111	44.517	9.798	26.596	1.00	58.31
ATOM	2056	CG1	ILE	1111	44.413	9.688	29.145	1.00	69.87
ATOM	2057	CD1	ILE	1111	44.341	11.144	29.528	1.00	75.64
ATOM	2058	C	ILE	1111	46.949	7.891	28.781	1.00	58.91
ATOM	2059	O	ILE	1111	47.670	8.862	28.992	1.00	59.56
ATOM	2060	N	ASP	1112	47.187	6.697	29.299	1.00	60.43
ATOM	2062	CA	ASP	1112	48.312	6.407	30.173	1.00	56.25
ATOM	2063	CB	ASP	1112	48.318	4.919	30.421	1.00	59.88
ATOM	2064	CG	ASP	1112	48.273	4.131	29.122	1.00	67.87
ATOM	2065	OD1	ASP	1112	47.179	3.893	28.564	1.00	71.34
ATOM	2066	OD2	ASP	1112	49.348	3.765	28.628	1.00	72.11
ATOM	2067	C	ASP	1112	49.612	6.795	29.489	1.00	54.37
ATOM	2068	O	ASP	1112	49.634	7.066	28.284	1.00	50.67
ATOM	2069	N	GLU	1113	50.710	6.741	30.236	1.00	55.36
ATOM	2071	CA	GLU	1113	52.024	7.089	29.683	1.00	55.99
ATOM	2072	CB	GLU	1113	53.051	7.374	30.806	1.00	58.69

FIG. 7(42)

ATOM	2073	C	GLU	1113	52.552	6.015	28.726	1.00	54.42
ATOM	2074	O	GLU	1113	53.624	6.175	28.126	1.00	51.91
ATOM	2075	N	GLU	1114	51.822	4.903	28.627	1.00	51.54
ATOM	2077	CA	GLU	1114	52.192	3.819	27.719	1.00	54.36
ATOM	2078	CB	GLU	1114	51.873	2.452	28.322	1.00	56.43
ATOM	2079	CG	GLU	1114	53.072	1.749	28.948	1.00	63.29
ATOM	2080	CD	GLU	1114	53.996	2.661	29.772	1.00	67.36
ATOM	2081	OE1	GLU	1114	55.153	2.870	29.329	1.00	67.34
ATOM	2082	OE2	GLU	1114	53.590	3.127	30.873	1.00	68.20
ATOM	2083	C	GLU	1114	51.440	4.031	26.412	1.00	52.22
ATOM	2084	O	GLU	1114	51.830	3.514	25.360	1.00	51.74
ATOM	2085	N	PHE	1115	50.383	4.840	26.486	1.00	49.67
ATOM	2087	CA	PHE	1115	49.603	5.175	25.320	1.00	44.59
ATOM	2088	CB	PHE	1115	48.400	6.013	25.688	1.00	44.73
ATOM	2089	CG	PHE	1115	47.918	6.890	24.579	1.00	49.93
ATOM	2090	CD1	PHE	1115	48.140	8.270	24.621	1.00	50.02
ATOM	2091	CD2	PHE	1115	47.251	6.344	23.477	1.00	53.38
ATOM	2092	CE1	PHE	1115	47.704	9.098	23.577	1.00	52.88
ATOM	2093	CE2	PHE	1115	46.805	7.158	22.425	1.00	51.00
ATOM	2094	CZ	PHE	1115	47.033	8.535	22.474	1.00	54.64
ATOM	2095	C	PHE	1115	50.582	5.981	24.507	1.00	46.08
ATOM	2096	O	PHE	1115	50.929	5.572	23.402	1.00	47.48
ATOM	2097	N	CYS	1116	51.127	7.047	25.101	1.00	43.91
ATOM	2099	CA	CYS	1116	52.109	7.898	24.404	1.00	45.79
ATOM	2100	CB	CYS	1116	52.473	9.113	25.247	1.00	44.47
ATOM	2101	SG	CYS	1116	51.129	9.723	26.295	1.00	64.10
ATOM	2102	C	CYS	1116	53.392	7.140	24.019	1.00	46.03
ATOM	2103	O	CYS	1116	54.232	7.667	23.279	1.00	46.86
ATOM	2104	N	ARG	1117	53.536	5.911	24.529	1.00	44.91
ATOM	2106	CA	ARG	1117	54.688	5.069	24.237	1.00	41.89
ATOM	2107	CB	ARG	1117	54.882	4.001	25.308	1.00	43.78
ATOM	2108	CG	ARG	1117	56.237	3.298	25.233	1.00	45.19
ATOM	2109	CD	ARG	1117	56.189	1.905	25.856	1.00	47.09
ATOM	2110	NE	ARG	1117	55.490	0.922	25.021	1.00	49.55
ATOM	2112	CZ	ARG	1117	54.329	0.337	25.336	1.00	51.59
ATOM	2113	NH1	ARG	1117	53.783	-0.547	24.506	1.00	51.49
ATOM	2116	NH2	ARG	1117	53.695	0.649	26.461	1.00	47.17
ATOM	2119	C	ARG	1117	54.370	4.389	22.927	1.00	38.98
ATOM	2120	O	ARG	1117	55.156	4.455	21.996	1.00	42.49
ATOM	2121	N	ARG	1118	53.206	3.751	22.860	1.00	35.52

FIG. 7(43)

ATOM	2123	CA	ARG	1118	52.745	3.072	21.649	1.00	36.78
ATOM	2124	CB	ARG	1118	51.330	2.559	21.880	1.00	31.14
ATOM	2125	CG	ARG	1118	51.216	1.675	23.068	1.00	34.41
ATOM	2126	CD	ARG	1118	49.766	1.587	23.535	1.00	45.83
ATOM	2127	NE	ARG	1118	48.897	0.750	22.693	1.00	53.41
ATOM	2129	CZ	ARG	1118	47.564	0.658	22.826	1.00	55.58
ATOM	2130	NH1	ARG	1118	46.862	-0.144	22.025	1.00	56.70
ATOM	2133	NH2	ARG	1118	46.921	1.380	23.745	1.00	55.55
ATOM	2136	C	ARG	1118	52.742	4.067	20.471	1.00	38.92
ATOM	2137	O	ARG	1118	53.331	3.835	19.400	1.00	38.28
ATOM	2138	N	LEU	1119	52.063	5.186	20.711	1.00	40.67
ATOM	2140	CA	LEU	1119	51.912	6.295	19.779	1.00	36.71
ATOM	2141	CB	LEU	1119	51.192	7.416	20.540	1.00	32.46
ATOM	2142	CG	LEU	1119	50.238	8.508	20.049	1.00	25.91
ATOM	2143	CD1	LEU	1119	51.047	9.651	19.564	1.00	19.62
ATOM	2144	CD2	LEU	1119	49.250	7.993	19.024	1.00	22.26
ATOM	2145	C	LEU	1119	53.301	6.728	19.245	1.00	38.89
ATOM	2146	O	LEU	1119	53.469	6.960	18.047	1.00	43.59
ATOM	2147	N	LYS	1120	54.315	6.771	20.099	1.00	42.22
ATOM	2149	CA	LYS	1120	55.649	7.152	19.640	1.00	41.56
ATOM	2150	CB	LYS	1120	56.523	7.548	20.813	1.00	42.85
ATOM	2151	CG	LYS	1120	57.467	8.670	20.467	1.00	52.51
ATOM	2152	CD	LYS	1120	58.407	8.989	21.620	1.00	60.23
ATOM	2153	CE	LYS	1120	59.298	10.206	21.321	1.00	69.72
ATOM	2154	NZ	LYS	1120	58.605	11.557	21.283	1.00	76.23
ATOM	2158	C	LYS	1120	56.351	6.050	18.825	1.00	43.73
ATOM	2159	O	LYS	1120	57.287	6.342	18.073	1.00	47.49
ATOM	2160	N	GLU	1121	55.892	4.800	18.966	1.00	43.94
ATOM	2162	CA	GLU	1121	56.453	3.636	18.262	1.00	41.07
ATOM	2163	CB	GLU	1121	56.415	2.395	19.147	1.00	48.40
ATOM	2164	CG	GLU	1121	57.553	2.283	20.112	1.00	58.39
ATOM	2165	CD	GLU	1121	57.183	1.451	21.309	1.00	64.79
ATOM	2166	OE1	GLU	1121	56.403	0.483	21.119	1.00	67.43
ATOM	2167	OE2	GLU	1121	57.657	1.778	22.431	1.00	67.24
ATOM	2168	C	GLU	1121	55.739	3.284	16.968	1.00	39.16
ATOM	2169	O	GLU	1121	56.224	2.423	16.216	1.00	39.90
ATOM	2170	N	GLY	1122	54.525	3.805	16.781	1.00	31.72
ATOM	2172	CA	GLY	1122	53.838	3.550	15.531	1.00	22.36
ATOM	2173	C	GLY	1122	52.427	3.064	15.646	1.00	19.85
ATOM	2174	O	GLY	1122	51.791	2.779	14.633	1.00	18.01

FIG. 7(44)

ATOM	2175	N	THR	1123	51.918	2.946	16.860	1.00	16.84
ATOM	2177	CA	THR	1123	50.535	2.502	16.989	1.00	22.17
ATOM	2178	CB	THR	1123	50.209	2.144	18.469	1.00	29.75
ATOM	2179	OG1	THR	1123	51.148	1.174	18.971	1.00	31.60
ATOM	2181	CG2	THR	1123	48.794	1.587	18.591	1.00	31.44
ATOM	2182	C	THR	1123	49.653	3.673	16.453	1.00	23.74
ATOM	2183	O	THR	1123	49.940	4.850	16.721	1.00	18.73
ATOM	2184	N	ARG	1124	48.597	3.354	15.701	1.00	22.93
ATOM	2186	CA	ARG	1124	47.735	4.379	15.125	1.00	17.39
ATOM	2187	CB	ARG	1124	48.094	4.680	13.670	1.00	17.70
ATOM	2188	CG	ARG	1124	49.478	5.192	13.406	1.00	14.57
ATOM	2189	CD	ARG	1124	49.713	6.484	14.040	1.00	14.31
ATOM	2190	NE	ARG	1124	51.046	6.935	13.684	1.00	10.98
ATOM	2192	CZ	ARG	1124	52.067	6.988	14.533	1.00	16.02
ATOM	2193	NH1	ARG	1124	51.861	6.604	15.775	1.00	10.96
ATOM	2196	NH2	ARG	1124	53.269	7.468	14.163	1.00	8.74
ATOM	2199	C	ARG	1124	46.317	3.893	15.096	1.00	16.31
ATOM	2200	O	ARG	1124	46.085	2.698	15.022	1.00	20.38
ATOM	2201	N	MET	1125	45.380	4.847	15.081	1.00	21.15
ATOM	2203	CA	MET	1125	43.943	4.570	15.023	1.00	23.81
ATOM	2204	CB	MET	1125	43.158	5.870	15.012	1.00	16.88
ATOM	2205	CG	MET	1125	42.783	6.397	16.380	1.00	17.08
ATOM	2206	SD	MET	1125	41.656	7.825	16.270	1.00	25.19
ATOM	2207	CE	MET	1125	42.908	9.123	15.776	1.00	17.02
ATOM	2208	C	MET	1125	43.604	3.789	13.749	1.00	29.80
ATOM	2209	O	MET	1125	44.298	3.923	12.748	1.00	33.37
ATOM	2210	N	ARG	1126	42.576	2.953	13.806	1.00	36.07
ATOM	2212	CA	ARG	1126	42.116	2.183	12.668	1.00	36.36
ATOM	2213	CB	ARG	1126	41.465	0.859	13.154	1.00	40.10
ATOM	2214	CG	ARG	1126	40.257	1.021	14.061	1.00	54.46
ATOM	2215	CD	ARG	1126	38.956	1.268	13.263	1.00	65.08
ATOM	2216	NE	ARG	1126	37.839	1.758	14.091	1.00	72.39
ATOM	2218	CZ	ARG	1126	36.545	1.753	13.740	1.00	74.53
ATOM	2219	NH1	ARG	1126	35.636	2.233	14.588	1.00	78.72
ATOM	2222	NH2	ARG	1126	36.140	1.267	12.562	1.00	74.28
ATOM	2225	C	ARG	1126	41.124	3.094	11.888	1.00	32.52
ATOM	2226	O	ARG	1126	40.706	4.117	12.380	1.00	34.88
ATOM	2227	N	ALA	1127	40.760	2.725	10.676	1.00	29.80
ATOM	2229	CA	ALA	1127	39.888	3.508	9.812	1.00	29.83
ATOM	2230	CB	ALA	1127	39.743	2.782	8.460	1.00	32.24

FIG. 7(45)

ATOM	2231	C	ALA	1127	38.518	3.697	10.415	1.00	34.29
ATOM	2232	O	ALA	1127	37.944	2.727	10.881	1.00	39.95
ATOM	2233	N	PRO	1128	37.943	4.934	10.335	1.00	34.66
ATOM	2234	CD	PRO	1128	38.477	6.142	9.685	1.00	35.04
ATOM	2235	CA	PRO	1128	36.612	5.251	10.871	1.00	31.59
ATOM	2236	CB	PRO	1128	36.511	6.776	10.669	1.00	32.56
ATOM	2237	CG	PRO	1128	37.819	7.222	10.499	1.00	31.06
ATOM	2238	C	PRO	1128	35.648	4.597	9.916	1.00	33.99
ATOM	2239	O	PRO	1128	35.975	4.429	8.749	1.00	38.28
ATOM	2240	N	ASP	1129	34.416	4.371	10.344	1.00	31.98
ATOM	2242	CA	ASP	1129	33.425	3.728	9.489	1.00	34.11
ATOM	2243	CB	ASP	1129	32.157	3.432	10.277	1.00	29.91
ATOM	2244	CG	ASP	1129	32.447	2.811	11.623	1.00	34.04
ATOM	2245	OD1	ASP	1129	33.519	2.172	11.805	1.00	35.22
ATOM	2246	OD2	ASP	1129	31.597	2.976	12.515	1.00	36.43
ATOM	2247	C	ASP	1129	33.061	4.360	8.158	1.00	35.75
ATOM	2248	O	ASP	1129	32.441	3.699	7.312	1.00	38.26
ATOM	2249	N	TYR	1130	33.444	5.613	7.925	1.00	32.58
ATOM	2251	CA	TYR	1130	33.056	6.200	6.649	1.00	34.86
ATOM	2252	CB	TYR	1130	32.067	7.332	6.888	1.00	38.26
ATOM	2253	CG	TYR	1130	30.996	6.960	7.889	1.00	37.51
ATOM	2254	CD1	TYR	1130	31.208	7.153	9.245	1.00	36.44
ATOM	2255	CE1	TYR	1130	30.249	6.853	10.148	1.00	40.00
ATOM	2256	CD2	TYR	1130	29.787	6.442	7.468	1.00	39.18
ATOM	2257	CE2	TYR	1130	28.813	6.143	8.360	1.00	34.53
ATOM	2258	CZ	TYR	1130	29.050	6.353	9.709	1.00	39.16
ATOM	2259	OH	TYR	1130	28.120	6.147	10.690	1.00	47.34
ATOM	2261	C	TYR	1130	34.136	6.657	5.732	1.00	34.80
ATOM	2262	O	TYR	1130	33.853	7.257	4.694	1.00	27.05
ATOM	2263	N	THR	1131	35.388	6.414	6.108	1.00	37.58
ATOM	2265	CA	THR	1131	36.457	6.829	5.238	1.00	38.70
ATOM	2266	CB	THR	1131	37.783	6.598	5.763	1.00	39.57
ATOM	2267	OG1	THR	1131	37.775	5.417	6.564	1.00	51.23
ATOM	2269	CG2	THR	1131	38.250	7.775	6.481	1.00	49.58
ATOM	2270	C	THR	1131	36.476	6.071	3.955	1.00	38.19
ATOM	2271	O	THR	1131	35.913	4.967	3.808	1.00	38.82
ATOM	2272	N	THR	1132	37.297	6.649	3.104	1.00	31.58
ATOM	2274	CA	THR	1132	37.638	6.148	1.836	1.00	27.37
ATOM	2275	CB	THR	1132	37.591	7.302	0.887	1.00	18.06
ATOM	2276	OG1	THR	1132	36.274	7.366	0.348	1.00	29.75

FIG. 7(46)

ATOM	2278	CG2	THR	1132	38.528	7.126	-0.161	1.00	32.09
ATOM	2279	C	THR	1132	39.064	5.634	2.159	1.00	31.18
ATOM	2280	O	THR	1132	39.678	6.088	3.149	1.00	37.35
ATOM	2281	N	PRO	1133	39.543	4.601	1.439	1.00	29.49
ATOM	2282	CD	PRO	1133	38.884	3.875	0.336	1.00	28.18
ATOM	2283	CA	PRO	1133	40.876	4.065	1.686	1.00	23.60
ATOM	2284	CB	PRO	1133	41.029	2.998	0.604	1.00	29.05
ATOM	2285	CG	PRO	1133	39.640	2.581	0.319	1.00	28.36
ATOM	2286	C	PRO	1133	41.917	5.122	1.500	1.00	22.87
ATOM	2287	O	PRO	1133	42.944	5.119	2.182	1.00	30.07
ATOM	2288	N	GLU	1134	41.700	5.983	0.511	1.00	18.80
ATOM	2290	CA	GLU	1134	42.656	7.049	0.264	1.00	22.21
ATOM	2291	CB	GLU	1134	42.594	7.573	-1.160	1.00	26.28
ATOM	2292	CG	GLU	1134	41.214	7.564	-1.765	1.00	40.23
ATOM	2293	CD	GLU	1134	40.901	6.347	-2.617	1.00	42.05
ATOM	2294	OE1	GLU	1134	41.727	6.004	-3.504	1.00	44.65
ATOM	2295	OE2	GLU	1134	39.799	5.779	-2.453	1.00	44.07
ATOM	2296	C	GLU	1134	42.547	8.164	1.300	1.00	21.07
ATOM	2297	O	GLU	1134	43.528	8.877	1.543	1.00	20.78
ATOM	2298	N	MET	1135	41.375	8.304	1.940	1.00	20.24
ATOM	2300	CA	MET	1135	41.233	9.304	2.996	1.00	16.52
ATOM	2301	CB	MET	1135	39.775	9.658	3.319	1.00	17.57
ATOM	2302	CG	MET	1135	39.158	10.807	2.420	1.00	15.02
ATOM	2303	SD	MET	1135	40.199	12.320	2.187	1.00	20.17
ATOM	2304	CE	MET	1135	40.632	12.648	3.877	1.00	13.20
ATOM	2305	C	MET	1135	41.974	8.751	4.191	1.00	20.41
ATOM	2306	O	MET	1135	42.772	9.461	4.787	1.00	25.79
ATOM	2307	N	TYR	1136	41.836	7.448	4.445	1.00	20.30
ATOM	2309	CA	TYR	1136	42.565	6.817	5.540	1.00	17.65
ATOM	2310	CB	TYR	1136	42.082	5.394	5.832	1.00	21.89
ATOM	2311	CG	TYR	1136	42.786	4.775	7.041	1.00	26.17
ATOM	2312	CD1	TYR	1136	42.702	5.353	8.325	1.00	20.81
ATOM	2313	CE1	TYR	1136	43.364	4.781	9.427	1.00	17.33
ATOM	2314	CD2	TYR	1136	43.554	3.612	6.900	1.00	26.03
ATOM	2315	CE2	TYR	1136	44.225	3.034	7.998	1.00	12.75
ATOM	2316	CZ	TYR	1136	44.124	3.615	9.245	1.00	16.64
ATOM	2317	OH	TYR	1136	44.791	2.999	10.281	1.00	17.57
ATOM	2319	C	TYR	1136	44.077	6.847	5.267	1.00	14.28
ATOM	2320	O	TYR	1136	44.892	7.066	6.179	1.00	19.62
ATOM	2321	N	GLN	1137	44.479	6.693	4.022	1.00	12.55

FIG. 7(47)

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ATOM  2323  CA  GLN 1137      45.903   6.777   3.758  1.00 16.34
ATOM  2324  CB  GLN 1137      46.218   6.412   2.325  1.00 18.36
ATOM  2325  CG  GLN 1137      47.702   6.654   1.945  1.00 21.79
ATOM  2326  CD  GLN 1137      48.613   5.655   2.561  1.00 14.21
ATOM  2327  OE1 GLN 1137      48.416   4.469   2.381  1.00 22.64
ATOM  2328  NE2 GLN 1137      49.571   6.111   3.344  1.00 18.97
ATOM  2331  C   GLN 1137      46.415   8.193   4.041  1.00 20.40
ATOM  2332  O   GLN 1137      47.598   8.378   4.391  1.00 25.11
ATOM  2333  N   THR 1138      45.564   9.194   3.807  1.00 18.65
ATOM  2335  CA  THR 1138      45.939  10.568   4.068  1.00 15.52
ATOM  2336  CB  THR 1138      44.921  11.507   3.538  1.00 19.97
ATOM  2337  OG1 THR 1138      44.797  11.257   2.144  1.00 18.74
ATOM  2339  CG2 THR 1138      45.381  12.939   3.722  1.00 21.70
ATOM  2340  C   THR 1138      46.111  10.721   5.566  1.00 12.73
ATOM  2341  O   THR 1138      47.067  11.344   6.010  1.00 18.83
ATOM  2342  N   MET 1139      45.233  10.118   6.352  1.00  9.32
ATOM  2344  CA  MET 1139      45.402  10.151   7.809  1.00 12.25
ATOM  2345  CB  MET 1139      44.295   9.349   8.480  1.00 13.21
ATOM  2346  CG  MET 1139      42.967  10.007   8.354  1.00  5.60
ATOM  2347  SD  MET 1139      41.708   8.982   9.003  1.00 17.66
ATOM  2348  CE  MET 1139      40.510   9.337   7.925  1.00  2.00
ATOM  2349  C   MET 1139      46.773   9.567   8.198  1.00 15.96
ATOM  2350  O   MET 1139      47.573  10.237   8.855  1.00 17.30
ATOM  2351  N   LEU 1140      47.058   8.333   7.770  1.00 15.29
ATOM  2353  CA  LEU 1140      48.357   7.735   8.081  1.00 14.20
ATOM  2354  CB  LEU 1140      48.542   6.409   7.326  1.00  6.27
ATOM  2355  CG  LEU 1140      47.511   5.373   7.745  1.00 15.42
ATOM  2356  CD1 LEU 1140      47.656   4.103   6.927  1.00  8.64
ATOM  2357  CD2 LEU 1140      47.648   5.103   9.246  1.00 14.99
ATOM  2358  C   LEU 1140      49.518   8.684   7.751  1.00 17.20
ATOM  2359  O   LEU 1140      50.552   8.691   8.442  1.00 18.73
ATOM  2360  N   ASP 1141      49.396   9.413   6.644  1.00 20.16
ATOM  2362  CA  ASP 1141      50.442  10.374   6.229  1.00 19.52
ATOM  2363  CB  ASP 1141      50.139  10.963   4.851  1.00 20.89
ATOM  2364  CG  ASP 1141      50.228   9.942   3.772  1.00 25.01
ATOM  2365  OD1 ASP 1141      50.537   8.765   4.074  1.00 30.17
ATOM  2366  OD2 ASP 1141      49.994  10.321   2.624  1.00 26.42
ATOM  2367  C   ASP 1141      50.627  11.521   7.207  1.00 15.10
ATOM  2368  O   ASP 1141      51.762  11.905   7.502  1.00  8.73
ATOM  2369  N   CYS 1142      49.504  12.101   7.637  1.00 10.75
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FIG. 7(48)

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ATOM  2371  CA  CYS  1142      49.516  13.196   8.590  1.00 13.88
ATOM  2372  CB  CYS  1142      48.110  13.776   8.739  1.00 17.83
ATOM  2373  SG  CYS  1142      47.414  14.574   7.291  1.00 17.66
ATOM  2374  C   CYS  1142      50.042  12.717   9.961  1.00 15.52
ATOM  2375  O   CYS  1142      50.545  13.513  10.734  1.00 16.31
ATOM  2376  N   TRP  1143      49.883  11.424  10.266  1.00 20.06
ATOM  2378  CA  TRP  1143      50.344  10.830  11.528  1.00 17.66
ATOM  2379  CB  TRP  1143      49.393   9.727  11.991  1.00 15.44
ATOM  2380  CG  TRP  1143      48.041  10.236  12.273  1.00 14.25
ATOM  2381  CD2 TRP  1143      46.814   9.495  12.233  1.00 18.13
ATOM  2382  CE2 TRP  1143      45.774  10.401  12.540  1.00 12.59
ATOM  2383  CE3 TRP  1143      46.490   8.143  11.966  1.00 16.02
ATOM  2384  CD1 TRP  1143      47.710  11.514  12.605  1.00  7.90
ATOM  2385  NE1 TRP  1143      46.355  11.618  12.768  1.00 13.52
ATOM  2387  CZ2 TRP  1143      44.425  10.012  12.592  1.00  8.83
ATOM  2388  CZ3 TRP  1143      45.155   7.755  12.017  1.00 11.61
ATOM  2389  CH2 TRP  1143      44.133   8.691  12.327  1.00 16.83
ATOM  2390  C   TRP  1143      51.765  10.281  11.442  1.00 23.22
ATOM  2391  O   TRP  1143      52.208   9.507  12.298  1.00 27.31
ATOM  2392  N   HIS  1144      52.510  10.722  10.440  1.00 24.48
ATOM  2394  CA  HIS  1144      53.876  10.280  10.299  1.00 26.08
ATOM  2395  CB  HIS  1144      54.495  10.859   9.023  1.00 19.25
ATOM  2396  CG  HIS  1144      55.791  10.214   8.654  1.00 18.57
ATOM  2397  CD2 HIS  1144      56.923  10.003   9.374  1.00 14.60
ATOM  2398  ND1 HIS  1144      56.016   9.657   7.415  1.00 19.61
ATOM  2400  CE1 HIS  1144      57.231   9.133   7.387  1.00 19.99
ATOM  2401  NE2 HIS  1144      57.803   9.332   8.562  1.00 15.04
ATOM  2403  C   HIS  1144      54.710  10.671  11.542  1.00 32.65
ATOM  2404  O   HIS  1144      54.626  11.795  12.031  1.00 31.70
ATOM  2405  N   GLY  1145      55.541   9.734  12.016  1.00 37.26
ATOM  2407  CA  GLY  1145      56.393   9.970  13.168  1.00 31.32
ATOM  2408  C   GLY  1145      57.251  11.212  13.001  1.00 35.04
ATOM  2409  O   GLY  1145      57.372  11.989  13.942  1.00 38.42
ATOM  2410  N   GLU  1146      57.915  11.373  11.852  1.00 34.51
ATOM  2412  CA  GLU  1146      58.735  12.577  11.598  1.00 37.16
ATOM  2413  CB  GLU  1146      59.871  12.303  10.627  1.00 37.16
ATOM  2414  CG  GLU  1146      61.093  11.742  11.292  1.00 50.26
ATOM  2415  CD  GLU  1146      61.186  10.243  11.110  1.00 54.17
ATOM  2416  OE1 GLU  1146      61.158   9.509  12.125  1.00 55.25
ATOM  2417  OE2 GLU  1146      61.280   9.804   9.938  1.00 59.09
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FIG. 7(49)

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ATOM  2418  C   GLU 1146      57.910  13.742  11.052  1.00 36.46
ATOM  2419  O   GLU 1146      57.378  13.665   9.934  1.00 35.72
ATOM  2420  N   PRO 1147      57.861  14.868  11.791  1.00 34.09
ATOM  2421  CD  PRO 1147      58.490  15.147  13.099  1.00 33.72
ATOM  2422  CA  PRO 1147      57.082  16.020  11.336  1.00 29.77
ATOM  2423  CB  PRO 1147      57.446  17.106  12.351  1.00 27.86
ATOM  2424  CG  PRO 1147      57.668  16.334  13.619  1.00 26.72
ATOM  2425  C   PRO 1147      57.436  16.417   9.922  1.00 27.04
ATOM  2426  O   PRO 1147      56.559  16.784   9.158  1.00 30.21
ATOM  2427  N   SER 1148      58.698  16.255   9.551  1.00 22.56
ATOM  2429  CA  SER 1148      59.177  16.616   8.210  1.00 24.23
ATOM  2430  CB  SER 1148      60.707  16.724   8.203  1.00 27.40
ATOM  2431  OG  SER 1148      61.314  15.477   8.545  1.00 36.19
ATOM  2433  C   SER 1148      58.743  15.674   7.101  1.00 21.41
ATOM  2434  O   SER 1148      58.890  15.964   5.913  1.00 24.41
ATOM  2435  N   GLN 1149      58.272  14.508   7.485  1.00 25.45
ATOM  2437  CA  GLN 1149      57.831  13.547   6.497  1.00 26.28
ATOM  2438  CB  GLN 1149      58.224  12.142   6.946  1.00 32.79
ATOM  2439  CG  GLN 1149      59.705  11.907   6.958  1.00 25.96
ATOM  2440  CD  GLN 1149      60.279  12.196   5.622  1.00 32.77
ATOM  2441  OE1 GLN 1149      59.765  11.744   4.591  1.00 36.63
ATOM  2442  NE2 GLN 1149      61.312  13.007   5.604  1.00 37.86
ATOM  2445  C   GLN 1149      56.327  13.670   6.278  1.00 23.40
ATOM  2446  O   GLN 1149      55.783  13.145   5.306  1.00 23.12
ATOM  2447  N   ARG 1150      55.662  14.339   7.215  1.00 22.72
ATOM  2449  CA  ARG 1150      54.226  14.581   7.132  1.00 17.86
ATOM  2450  CB  ARG 1150      53.721  15.243   8.392  1.00 16.38
ATOM  2451  CG  ARG 1150      54.161  14.532   9.598  1.00 13.96
ATOM  2452  CD  ARG 1150      53.285  14.903  10.728  1.00 15.08
ATOM  2453  NE  ARG 1150      53.632  14.090  11.879  1.00 24.55
ATOM  2455  CZ  ARG 1150      54.066  14.564  13.040  1.00 27.63
ATOM  2456  NH1 ARG 1150      54.192  15.871  13.230  1.00 27.18
ATOM  2459  NH2 ARG 1150      54.423  13.717  13.991  1.00 29.34
ATOM  2462  C   ARG 1150      54.025  15.559   6.008  1.00 16.82
ATOM  2463  O   ARG 1150      54.913  16.382   5.715  1.00 13.09
ATOM  2464  N   PRO 1151      52.873  15.464   5.320  1.00 18.01
ATOM  2465  CD  PRO 1151      51.793  14.453   5.320  1.00  6.32
ATOM  2466  CA  PRO 1151      52.726  16.442   4.240  1.00 18.95
ATOM  2467  CB  PRO 1151      51.489  15.948   3.492  1.00 16.01
ATOM  2468  CG  PRO 1151      50.726  15.092   4.520  1.00 10.59
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FIG. 7(50)

ATOM	2469	C	PRO	1151	52.574	17.861	4.805	1.00	18.27
ATOM	2470	O	PRO	1151	52.422	18.039	6.006	1.00	19.70
ATOM	2471	N	THR	1152	52.763	18.860	3.958	1.00	19.16
ATOM	2473	CA	THR	1152	52.604	20.251	4.366	1.00	14.92
ATOM	2474	CB	THR	1152	53.511	21.138	3.560	1.00	13.80
ATOM	2475	OG1	THR	1152	53.146	21.080	2.163	1.00	17.02
ATOM	2477	CG2	THR	1152	54.918	20.697	3.764	1.00	5.40
ATOM	2478	C	THR	1152	51.196	20.571	3.979	1.00	13.16
ATOM	2479	O	THR	1152	50.682	19.905	3.084	1.00	19.18
ATOM	2480	N	PHE	1153	50.561	21.572	4.599	1.00	14.62
ATOM	2482	CA	PHE	1153	49.176	21.910	4.224	1.00	12.87
ATOM	2483	CB	PHE	1153	48.588	23.023	5.083	1.00	11.95
ATOM	2484	CG	PHE	1153	48.157	22.558	6.422	1.00	9.67
ATOM	2485	CD1	PHE	1153	47.037	21.740	6.560	1.00	14.91
ATOM	2486	CD2	PHE	1153	48.891	22.857	7.533	1.00	15.01
ATOM	2487	CE1	PHE	1153	46.660	21.215	7.802	1.00	9.44
ATOM	2488	CE2	PHE	1153	48.529	22.340	8.789	1.00	13.43
ATOM	2489	CZ	PHE	1153	47.405	21.513	8.913	1.00	8.41
ATOM	2490	C	PHE	1153	49.073	22.253	2.750	1.00	16.98
ATOM	2491	O	PHE	1153	48.078	21.927	2.114	1.00	21.60
ATOM	2492	N	SER	1154	50.116	22.841	2.168	1.00	15.39
ATOM	2494	CA	SER	1154	50.031	23.123	0.754	1.00	17.55
ATOM	2495	CB	SER	1154	51.251	23.868	0.254	1.00	25.28
ATOM	2496	OG	SER	1154	51.244	25.190	0.776	1.00	33.35
ATOM	2498	C	SER	1154	49.850	21.815	0.022	1.00	20.26
ATOM	2499	O	SER	1154	48.932	21.704	-0.798	1.00	23.74
ATOM	2500	N	GLU	1155	50.670	20.808	0.347	1.00	19.47
ATOM	2502	CA	GLU	1155	50.534	19.493	-0.307	1.00	16.55
ATOM	2503	CB	GLU	1155	51.588	18.513	0.188	1.00	19.82
ATOM	2504	CG	GLU	1155	52.932	18.773	-0.486	1.00	20.20
ATOM	2505	CD	GLU	1155	54.128	18.210	0.249	1.00	23.11
ATOM	2506	OE1	GLU	1155	55.226	18.377	-0.312	1.00	35.76
ATOM	2507	OE2	GLU	1155	54.009	17.631	1.359	1.00	21.09
ATOM	2508	C	GLU	1155	49.153	18.918	-0.107	1.00	16.59
ATOM	2509	O	GLU	1155	48.548	18.414	-1.055	1.00	21.37
ATOM	2510	N	LEU	1156	48.619	19.034	1.101	1.00	16.01
ATOM	2512	CA	LEU	1156	47.272	18.532	1.375	1.00	18.06
ATOM	2513	CB	LEU	1156	46.969	18.521	2.875	1.00	15.74
ATOM	2514	CG	LEU	1156	47.688	17.493	3.759	1.00	11.35
ATOM	2515	CD1	LEU	1156	47.786	18.049	5.201	1.00	2.08

FIG. 7(51)

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ATOM  2516  CD2 LEU 1156      46.927  16.150   3.708  1.00 14.36
ATOM  2517  C   LEU 1156      46.165  19.287   0.638  1.00 20.03
ATOM  2518  O   LEU 1156      45.105  18.711   0.355  1.00 26.86
ATOM  2519  N   VAL 1157      46.354  20.570   0.355  1.00 21.44
ATOM  2521  CA  VAL 1157      45.303  21.283  -0.362  1.00 21.15
ATOM  2522  CB  VAL 1157      45.513  22.801  -0.381  1.00 21.33
ATOM  2523  CG1 VAL 1157      44.569  23.453  -1.368  1.00 15.98
ATOM  2524  CG2 VAL 1157      45.198  23.340   0.974  1.00 13.87
ATOM  2525  C   VAL 1157      45.270  20.721  -1.760  1.00 22.88
ATOM  2526  O   VAL 1157      44.198  20.508  -2.333  1.00 25.54
ATOM  2527  N   GLU 1158      46.445  20.400  -2.282  1.00 23.10
ATOM  2529  CA  GLU 1158      46.503  19.815  -3.603  1.00 27.24
ATOM  2530  CB  GLU 1158      47.922  19.756  -4.115  1.00 32.82
ATOM  2531  CG  GLU 1158      47.969  18.978  -5.404  1.00 44.73
ATOM  2532  CD  GLU 1158      49.187  19.268  -6.212  1.00 51.53
ATOM  2533  OE1 GLU 1158      49.007  19.887  -7.292  1.00 54.31
ATOM  2534  OE2 GLU 1158      50.298  18.869  -5.765  1.00 51.10
ATOM  2535  C   GLU 1158      45.939  18.403  -3.643  1.00 26.42
ATOM  2536  O   GLU 1158      45.167  18.051  -4.546  1.00 25.91
ATOM  2537  N   HIS 1159      46.347  17.591  -2.669  1.00 26.36
ATOM  2539  CA  HIS 1159      45.897  16.226  -2.611  1.00 21.52
ATOM  2540  CB  HIS 1159      46.674  15.444  -1.576  1.00 25.28
ATOM  2541  CG  HIS 1159      46.322  13.991  -1.545  1.00 24.66
ATOM  2542  CD2 HIS 1159      46.408  13.030  -2.497  1.00 24.44
ATOM  2543  ND1 HIS 1159      45.749  13.387  -0.452  1.00 21.30
ATOM  2545  CE1 HIS 1159      45.489  12.125  -0.731  1.00 23.16
ATOM  2546  NE2 HIS 1159      45.879  11.884  -1.961  1.00 19.88
ATOM  2548  C   HIS 1159      44.402  16.104  -2.391  1.00 21.56
ATOM  2549  O   HIS 1159      43.741  15.311  -3.066  1.00 22.19
ATOM  2550  N   LEU 1160      43.852  16.874  -1.456  1.00 20.25
ATOM  2552  CA  LEU 1160      42.408  16.832  -1.209  1.00 17.66
ATOM  2553  CB  LEU 1160      42.111  17.502   0.130  1.00 17.84
ATOM  2554  CG  LEU 1160      42.676  16.760   1.352  1.00 20.17
ATOM  2555  CD1 LEU 1160      42.472  17.542   2.619  1.00 21.45
ATOM  2556  CD2 LEU 1160      41.992  15.454   1.512  1.00 19.45
ATOM  2557  C   LEU 1160      41.566  17.418  -2.395  1.00 17.71
ATOM  2558  O   LEU 1160      40.426  17.030  -2.624  1.00 15.39
ATOM  2559  N   GLY 1161      42.130  18.356  -3.153  1.00 23.52
ATOM  2561  CA  GLY 1161      41.434  18.879  -4.322  1.00 21.37
ATOM  2562  C   GLY 1161      41.342  17.741  -5.346  1.00 23.91
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FIG. 7(52)

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ATOM  2563  O   GLY 1161      40.295  17.526  -5.971  1.00 23.05
ATOM  2564  N   ASN 1162      42.439  16.997  -5.520  1.00 21.49
ATOM  2566  CA  ASN 1162      42.428  15.854  -6.428  1.00 22.31
ATOM  2567  CB  ASN 1162      43.771  15.109  -6.427  1.00 22.34
ATOM  2568  CG  ASN 1162      44.904  15.888  -7.062  1.00 20.03
ATOM  2569  OD1 ASN 1162      44.705  16.903  -7.701  1.00 28.17
ATOM  2570  ND2 ASN 1162      46.117  15.401  -6.873  1.00 32.22
ATOM  2573  C   ASN 1162      41.356  14.851  -5.969  1.00 23.05
ATOM  2574  O   ASN 1162      40.570  14.378  -6.769  1.00 26.11
ATOM  2575  N   LEU 1163      41.360  14.490  -4.688  1.00 21.05
ATOM  2577  CA  LEU 1163      40.405  13.523  -4.166  1.00 19.91
ATOM  2578  CB  LEU 1163      40.695  13.172  -2.689  1.00 19.18
ATOM  2579  CG  LEU 1163      41.675  12.042  -2.275  1.00 18.62
ATOM  2580  CD1 LEU 1163      42.959  12.120  -3.020  1.00 24.35
ATOM  2581  CD2 LEU 1163      41.983  12.043  -0.804  1.00 14.82
ATOM  2582  C   LEU 1163      39.015  14.038  -4.331  1.00 19.71
ATOM  2583  O   LEU 1163      38.110  13.318  -4.767  1.00 23.11
ATOM  2584  N   LEU 1164      38.860  15.328  -4.121  1.00 25.91
ATOM  2586  CA  LEU 1164      37.533  15.941  -4.226  1.00 29.28
ATOM  2587  CB  LEU 1164      37.603  17.388  -3.726  1.00 31.25
ATOM  2588  CG  LEU 1164      36.348  18.176  -3.371  1.00 25.75
ATOM  2589  CD1 LEU 1164      35.429  17.396  -2.435  1.00 31.52
ATOM  2590  CD2 LEU 1164       7.018  15.866  -5.653  1.00 30.07
ATOM  2592  O   LEU 1164      35.953  15.330  -5.903  1.00 32.61
ATOM  2593  N   GLN 1165      37.810  16.344  -6.598  1.00 33.76
ATOM  2595  CA  GLN 1165      37.423  16.317  -8.003  1.00 39.95
ATOM  2596  CB  GLN 1165      38.451  17.048  -8.855  1.00 46.90
ATOM  2597  CG  GLN 1165      38.758  18.474  -8.480  1.00 49.81
ATOM  2598  CD  GLN 1165      39.874  19.024  -9.348  1.00 56.23
ATOM  2599  OE1 GLN 1165      41.056  18.945  -8.997  1.00 55.97
ATOM  2600  NE2 GLN 1165      39.508  19.536 -10.518  1.00 60.66
ATOM  2603  C   GLN 1165      37.304  14.898  -8.554  1.00 39.33
ATOM  2604  O   GLN 1165      36.652  14.685  -9.568  1.00 42.09
ATOM  2605  N   ALA 1166      38.059  13.965  -7.988  1.00 36.82
ATOM  2607  CA  ALA 1166      37.994  12.586  -8.441  1.00 34.66
ATOM  2608  CB  ALA 1166      39.096  11.748  -7.814  1.00 32.78
ATOM  2609  C   ALA 1166      36.640  12.103  -7.991  1.00 36.63
ATOM  2610  O   ALA 1166      35.969  11.381  -8.713  1.00 39.47
ATOM  2611  N   ASN 1167      36.226  12.532  -6.800  1.00 40.01
ATOM  2613  CA  ASN 1167      34.911  12.158  -6.264  1.00 42.40
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FIG. 7(53)

ATOM	2614	CB	ASN	1167	34.641	12.878	-4.919	1.00	42.99
ATOM	2615	CG	ASN	1167	33.354	12.409	-4.242	1.00	40.80
ATOM	2616	OD1	ASN	1167	32.306	13.046	-4.348	1.00	40.18
ATOM	2617	ND2	ASN	1167	33.436	11.294	-3.532	1.00	36.58
ATOM	2620	C	ASN	1167	33.822	12.498	-7.299	1.00	41.88
ATOM	2621	O	ASN	1167	32.837	11.789	-7.391	1.00	41.83
ATOM	2622	N	ALA	1168	34.057	13.558	-8.085	1.00	45.09
ATOM	2624	CA	ALA	1168	33.187	14.065	-9.160	1.00	46.02
ATOM	2625	CB	ALA	1168	32.507	12.933	-9.929	1.00	45.92
ATOM	2626	C	ALA	1168	32.181	15.123	-8.728	1.00	48.61
ATOM	2628	O	ALA	1168	32.627	16.233	-8.363	1.00	50.20
ATOM	2629	O	HOH	1	46.858	21.496	16.690	1.00	23.54
ATOM	2632	O	HOH	2	49.904	21.605	17.271	1.00	36.65
ATOM	2635	O	HOH	3	49.682	18.133	17.657	1.00	50.47
ATOM	2638	O	HOH	4	56.606	19.394	15.202	1.00	25.28
ATOM	2641	O	HOH	5	57.215	21.949	11.395	1.00	37.66
ATOM	2644	O	HOH	6	56.082	25.850	12.933	1.00	34.63
ATOM	2647	O	HOH	7	52.355	23.016	6.377	1.00	21.45
ATOM	2650	O	HOH	8	51.153	27.376	4.088	1.00	29.93
ATOM	2653	O	HOH	9	44.820	28.454	1.120	1.00	16.47
ATOM	2656	O	HOH	10	46.377	38.321	5.198	1.00	31.93
ATOM	2659	O	HOH	11	43.987	38.133	3.129	1.00	52.41
ATOM	2662	O	HOH	12	53.321	40.451	6.702	1.00	31.88
ATOM	2665	O	HOH	13	44.977	49.530	8.305	1.00	44.56
ATOM	2668	O	HOH	14	44.379	43.338	7.798	1.00	31.72
ATOM	2671	O	HOH	15	39.477	40.232	8.468	1.00	36.65
ATOM	2674	O	HOH	16	41.987	36.751	10.646	1.00	23.26
ATOM	2677	O	HOH	17	41.711	41.873	6.802	1.00	34.79
ATOM	2680	O	HOH	18	29.514	24.656	18.739	1.00	31.43
ATOM	2683	O	HOH	19	27.493	22.351	15.517	1.00	42.03
ATOM	2686	O	HOH	20	24.345	20.097	15.325	1.00	24.92
ATOM	2689	O	HOH	21	32.381	18.452	20.520	1.00	75.12
ATOM	2692	O	HOH	22	31.071	8.282	19.507	1.00	31.68
ATOM	2695	O	HOH	23	33.001	7.742	21.598	1.00	38.67
ATOM	2698	O	HOH	24	34.802	6.439	18.667	1.00	34.24
ATOM	2701	O	HOH	25	32.273	6.932	14.174	1.00	41.21
ATOM	2704	O	HOH	26	34.059	5.245	12.870	1.00	49.30
ATOM	2707	O	HOH	27	38.059	3.432	4.799	1.00	63.69
ATOM	2710	O	HOH	28	41.089	1.841	4.421	1.00	42.86
ATOM	2713	O	HOH	29	45.081	9.234	-0.557	1.00	39.97

FIG. 7(54)

ATOM	2716	O	HOH	30	47.301	11.215	1.271	1.00	58.47
ATOM	2719	O	HOH	31	50.046	14.055	0.168	1.00	37.58
ATOM	2722	O	HOH	32	54.425	8.937	4.821	1.00	36.74
ATOM	2725	O	HOH	33	52.279	7.099	5.152	1.00	13.04
ATOM	2728	O	HOH	34	53.025	7.510	7.740	1.00	25.53
ATOM	2731	O	HOH	35	50.852	6.818	10.462	1.00	18.29
ATOM	2734	O	HOH	36	46.448	7.762	15.254	1.00	9.08
ATOM	2737	O	HOH	37	47.326	3.930	20.460	1.00	34.16
ATOM	2740	O	HOH	38	48.264	12.367	20.804	1.00	22.14
ATOM	2743	O	HOH	39	44.276	8.193	24.312	1.00	40.52
ATOM	2746	O	HOH	40	37.491	11.237	25.975	1.00	38.71
ATOM	2749	O	HOH	41	37.592	13.565	23.164	1.00	44.55
ATOM	2752	O	HOH	42	34.887	12.418	26.235	1.00	50.96
ATOM	2755	O	HOH	43	24.823	15.933	17.377	1.00	33.72
ATOM	2758	O	HOH	44	23.302	7.532	7.049	1.00	57.56
ATOM	2761	O	HOH	45	29.954	11.864	-3.109	1.00	38.05
ATOM	2764	O	HOH	46	42.099	3.812	18.044	1.00	40.12
ATOM	2767	O	HOH	47	38.653	0.737	18.003	1.00	37.30
ATOM	2770	O	HOH	48	34.169	14.465	16.707	1.00	20.01
ATOM	2773	O	HOH	49	37.055	32.622	16.570	1.00	31.20
ATOM	2776	O	HOH	50	29.361	31.729	15.460	1.00	21.90
ATOM	2779	O	HOH	51	25.866	31.495	10.192	1.00	24.50
ATOM	2782	O	HOH	52	23.411	32.276	10.616	1.00	68.85
ATOM	2785	O	HOH	53	22.135	37.404	8.648	1.00	40.22
ATOM	2788	O	HOH	54	28.356	36.997	10.747	1.00	22.41
ATOM	2791	O	HOH	55	29.650	33.190	8.897	1.00	31.98
ATOM	2794	O	HOH	56	34.801	35.904	3.297	1.00	59.73
ATOM	2797	O	HOH	57	24.341	20.715	4.934	1.00	28.10
ATOM	2800	O	HOH	58	37.439	20.236	25.832	1.00	33.07
ATOM	2803	O	HOH	59	32.675	51.977	19.122	1.00	33.52
ATOM	2806	O	HOH	60	32.722	54.003	14.118	1.00	25.01
ATOM	2809	O	HOH	61	29.691	54.769	22.004	1.00	27.32
ATOM	2812	O	HOH	62	21.347	47.577	14.711	1.00	27.85
ATOM	2815	O	HOH	63	25.640	44.257	7.516	1.00	24.71
ATOM	2818	O	HOH	64	24.686	40.916	3.785	1.00	55.13
ATOM	2821	O	HOH	65	33.825	48.721	10.105	1.00	39.11
ATOM	2824	O	HOH	66	39.855	54.415	18.247	1.00	50.97
ATOM	2827	O	HOH	67	36.001	50.053	7.081	1.00	68.99
ATOM	2830	O	HOH	68	37.973	50.651	5.331	1.00	32.12
ATOM	2833	O	HOH	69	40.220	53.227	6.506	1.00	15.02

FIG. 7(55)

ATOM	2836	O	HOH	70	42.258	51.833	6.993	1.00	21.05
ATOM	2839	O	HOH	71	36.813	55.217	13.035	1.00	46.29
ATOM	2842	O	HOH	72	37.030	55.879	15.712	1.00	39.36
ATOM	2845	O	HOH	73	23.054	45.061	23.607	1.00	51.11
ATOM	2848	O	HOH	74	27.075	54.516	6.971	1.00	51.66
ATOM	2851	O	HOH	75	21.634	54.039	13.651	1.00	36.36
ATOM	2854	O	HOH	76	45.158	47.529	30.699	1.00	56.11
ATOM	2857	O	HOH	77	44.469	45.246	36.699	1.00	36.50
ATOM	2860	O	HOH	78	45.882	41.717	36.085	1.00	28.57
ATOM	2863	O	HOH	79	49.406	41.527	34.292	1.00	65.94
ATOM	2866	O	HOH	80	36.134	49.719	26.101	1.00	63.80
ATOM	2869	O	HOH	81	26.884	28.564	16.554	1.00	49.20
ATOM	2872	O	HOH	82	22.079	10.131	13.444	1.00	56.45
ATOM	2875	O	HOH	83	41.225	4.655	30.464	1.00	58.98
ATOM	2878	O	HOH	84	47.309	1.568	10.326	1.00	21.69
ATOM	2881	O	HOH	85	56.613	18.335	6.527	1.00	33.97
ATOM	2884	O	HOH	86	56.196	16.855	3.275	1.00	47.24
ATOM	2887	O	HOH	87	54.826	22.813	0.598	1.00	33.50
ATOM	2890	O	HOH	88	52.962	21.915	-2.351	1.00	66.62
ATOM	2893	O	HOH	89	47.896	24.242	-3.714	1.00	40.99
ATOM	2896	O	HOH	90	40.295	22.360	25.551	1.00	39.81
ATOM	2899	O	HOH	91	40.188	3.202	15.661	1.00	45.97
ATOM	2902	O	HOH	92	45.159	2.965	19.553	1.00	44.25
ATOM	2905	O	HOH	93	36.591	7.772	23.374	1.00	68.23
ATOM	2908	O	HOH	94	34.274	5.197	22.878	1.00	51.62
ATOM	2911	O	HOH	95	41.935	7.033	29.073	1.00	63.23
ATOM	2914	O	HOH	96	20.731	12.105	14.716	1.00	54.80
ATOM	2917	O	HOH	97	23.147	13.682	17.882	1.00	50.81
ATOM	2920	O	HOH	98	35.515	9.509	-3.558	1.00	56.70
ATOM	2923	O	HOH	99	38.933	9.503	-1.231	1.00	32.18
ATOM	2926	O	HOH	100	51.814	24.438	3.703	1.00	52.00
ATOM	2929	O	HOH	101	51.670	28.690	0.838	1.00	42.41
ATOM	2932	O	HOH	102	46.536	30.610	1.750	1.00	45.80
ATOM	2935	O	HOH	103	45.165	34.214	0.818	1.00	46.46
ATOM	2938	O	HOH	104	42.695	35.194	1.055	1.00	25.82
ATOM	2941	O	HOH	105	39.689	33.418	0.723	1.00	31.99
ATOM	2944	O	HOH	106	23.962	38.119	27.549	1.00	47.89
ATOM	2947	O	HOH	107	25.343	40.908	27.379	1.00	54.09
ATOM	2950	O	HOH	108	20.307	35.738	19.866	1.00	32.61
ATOM	2953	O	HOH	109	28.085	54.303	18.810	1.00	61.58

FIG. 7(56)

ATOM	2956	O	HOH	110	29.849	56.131	16.966	1.00	37.29
ATOM	2959	O	HOH	111	31.503	58.023	14.735	1.00	46.45
ATOM	2962	O	HOH	112	35.212	55.981	10.499	1.00	92.07
ATOM	2965	O	HOH	113	36.530	55.812	6.656	1.00	30.72
ATOM	2968	O	HOH	114	50.045	41.251	26.059	1.00	82.26
ATOM	2971	O	HOH	115	25.153	36.460	9.054	1.00	50.86
ATOM	2974	O	HOH	116	31.749	32.705	15.359	1.00	30.04
ATOM	2977	O	HOH	117	30.213	3.806	4.940	1.00	39.74
ATOM	2980	O	HOH	118	36.511	1.159	7.275	1.00	41.62
ATOM	2983	O	HOH	119	27.155	4.637	5.224	1.00	79.92
ATOM	2986	O	HOH	120	57.319	11.287	3.459	1.00	33.02
ATOM	2989	O	HOH	121	52.121	12.483	1.755	1.00	45.55
ATOM	2992	O	HOH	122	47.613	14.088	-5.021	1.00	41.01
ATOM	2995	O	HOH	123	57.550	26.628	16.551	1.00	30.62
ATOM	2998	O	HOH	124	32.338	10.125	23.559	1.00	35.48
ATOM	3001	O	HOH	125	31.065	5.698	3.273	1.00	42.74
ATOM	3004	O	HOH	126	32.603	4.523	1.410	1.00	33.30
ATOM	3007	O	HOH	127	34.394	2.617	4.702	1.00	42.12
ATOM	3010	O	HOH	128	37.961	10.373	-4.287	1.00	47.57
ATOM	3013	O	HOH	129	42.215	11.947	-6.970	1.00	45.13
ATOM	3016	O	HOH	130	46.307	8.952	-4.280	1.00	70.02
ATOM	3019	O	HOH	131	50.369	17.388	-3.277	1.00	42.22
ATOM	3022	O	HOH	132	47.231	21.866	22.930	1.00	50.84
ATOM	3025	O	HOH	133	45.362	17.669	27.147	1.00	48.06
ATOM	3028	O	HOH	134	27.005	23.141	18.124	1.00	49.65
ATOM	3031	O	HOH	135	45.726	12.511	-6.453	1.00	45.31
ATOM	3034	O	HOH	136	46.998	11.755	18.088	1.00	37.38
ATOM	3037	O	HOH	137	39.706	37.699	9.894	1.00	40.71
ATOM	3040	O	HOH	138	18.768	48.678	17.798	1.00	74.62
ATOM	3043	O	HOH	139	43.641	47.080	26.762	1.00	44.64
ATOM	3046	O	HOH	140	32.593	53.980	16.744	1.00	43.95
ATOM	3049	O	HOH	141	34.726	55.568	14.399	1.00	45.86
ATOM	3052	O	HOH	142	30.551	53.227	19.638	1.00	35.99
ATOM	3055	O	HOH	143	26.370	55.161	14.300	1.00	33.09
ATOM	3058	O	HOH	144	24.547	55.803	6.815	1.00	58.70
ATOM	3061	O	HOH	145	36.217	52.574	3.221	1.00	68.48
ATOM	3064	O	HOH	146	39.065	54.455	4.595	1.00	48.85
ATOM	3067	O	HOH	147	45.130	40.725	5.433	1.00	62.58
ATOM	3070	O	HOH	148	33.453	43.988	7.386	1.00	41.59
ATOM	3073	O	HOH	149	36.626	45.045	6.144	1.00	54.04

FIG. 7(57)

ATOM	3076	O	HOH	150	19.458	36.977	14.386	1.00	56.50
ATOM	3079	O	HOH	151	19.502	40.993	17.850	1.00	43.35
ATOM	3082	O	HOH	152	39.793	38.257	27.760	1.00	63.31
ATOM	3085	O	HOH	153	40.730	53.944	20.682	1.00	49.91
ATOM	3088	O	HOH	154	45.371	49.402	5.710	1.00	41.53
ATOM	3091	O	HOH	155	49.114	26.038	11.482	1.00	34.43
ATOM	3094	O	HOH	156	54.085	28.403	10.828	1.00	28.60
ATOM	3097	O	HOH	157	18.729	14.990	12.752	1.00	44.66
ATOM	3100	O	HOH	158	27.500	2.046	10.138	1.00	47.88
ATOM	3103	O	HOH	159	23.505	7.763	16.082	1.00	45.49
ATOM	3106	O	HOH	160	38.101	22.326	23.406	1.00	43.42
ATOM	3109	O	HOH	161	36.788	33.961	0.261	1.00	59.95
ATOM	3112	O	HOH	162	19.380	27.777	6.595	1.00	56.29
ATOM	3115	O	HOH	163	33.583	33.343	17.339	1.00	68.25
ATOM	3118	O	HOH	164	43.221	53.467	17.853	1.00	62.89
ATOM	3121	O	HOH	165	28.154	41.110	29.042	1.00	61.19
ATOM	3124	O	HOH	166	44.877	47.914	12.583	1.00	21.27
ATOM	3127	O	HOH	167	46.589	45.908	14.329	1.00	39.48
ATOM	3130	O	HOH	168	48.235	43.490	14.297	1.00	46.88
ATOM	3133	O	HOH	169	47.834	0.528	14.762	1.00	74.55
ATOM	3136	O	HOH	170	48.711	-2.009	16.386	1.00	52.45
ATOM	3139	O	HOH	171	41.210	0.396	17.381	1.00	58.05
ATOM	3142	O	HOH	172	43.837	1.538	17.483	1.00	72.30
ATOM	3145	O	HOH	173	41.780	-2.478	14.396	1.00	47.15
ATOM	3148	O	HOH	174	31.466	11.699	21.418	1.00	45.99
ATOM	3151	O	HOH	175	35.046	14.218	20.429	1.00	39.37
ATOM	3154	O	HOH	176	22.639	26.143	4.324	1.00	36.80
ATOM	3157	O	HOH	177	26.114	24.452	6.028	1.00	31.04
ATOM	3160	O	HOH	178	28.927	30.687	4.252	1.00	41.38
ATOM	3163	O	HOH	179	23.899	6.610	18.621	1.00	56.43
ATOM	3166	O	HOH	180	53.386	11.969	4.493	1.00	39.86
ATOM	3169	O	HOH	181	30.051	43.727	0.910	1.00	47.97
ATOM	3172	O	HOH	182	31.659	49.099	8.149	1.00	52.84